TC-K611S/K707ES/K711S

SERVICE MANUAL

Photo : TC-K611S

US Model
Canadian Model
TC-K611S/K707ES
AEP Model
TC-K611S/K711S
UK Model
TC-K611S
E Model
TC-K707ES
Australian Model
TC-K611S/K707ES

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ◻◻ are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism		TC-K679ES/K690
Tape Transport Mechanism Type	TC-K611S	TCM-200V15
	TC-K707ES	TCM-200V16
	TC-K711S	TCM-200V17

SPECIFICATIONS

Recording system — 4-track 2-channel stereo
Fast winding time — Approx. 90 sec. (with Sony C-60 cassette)
Bias — AC bias
Heads — Erasing head × 1
(TC-K707ES/K711S: S&F head, K611S: F&F head)
Recording head × 1 (SD head)
Playback head × 1
(TC-K611S/K711S: SD head, K707ES: LA head)
Motors — Capstan motor × 1 (DC servo motor)
Reel motor × 1 (DC motor)
Assist (mechanism drive) motor × 1 (DC motor)

Signal-to-noise ratio (at peak level and weighted)

Cassette (Dolby NR off)	Type IV (Sony ES-IV)	Type II (Sony UX-S or UX)	Type I (Sony HF-S)
	61 dB	59 dB	57 dB

S/N ratio improvement (approximate values)
With Dolby B NR on : 5 dB at 1 kHz; 10 dB at 5 kHz
With Dolby C NR on : 15 dB at 500 Hz; 20 dB at 1 kHz
With Dolby S NR on : 10 dB at 100 Hz; 24 dB at 1 kHz

Harmonic distortion — 0.4% (with Sony HF-S, 160 nWb/m, 315 Hz, 3rd H.D.)
1.5% (with Sony ES-IV, 250 nWb/m, 315 Hz, 3rd H.D.)

Frequency response (Dolby NR off)

Type IV cassette (Sony ES-IV)	TC-K707ES: 20—21,000Hz (±3dB, IEC) TC-K611S/K711S: 20—20,000Hz (±3dB, IEC) 20—16,000Hz [±3dB (−4dB recording)]
Type II cassette (Sony UX-S or UX)	TC-K707ES: 20—19,000Hz (±3dB, IEC) TC-K611S/K711S: 20—18,000Hz (±3dB, IEC)
Type I cassette (Sony HF-S)	20—17,000 Hz (±3 dB, IEC)

Wow and flutter — ±0.09% W.Peak (IEC)
0.05% W.RMS (NAB)
±0.14% W.Peak (DIN)

Inputs

Line inputs (phono jacks)	Sensitivity	0.16 V
	Input impedance	47 k ohms

Outputs

Line outputs (phono jacks)	Rated output level	0.5 V at a load impedance of 47 k ohms
	Load impedance	Over 10 k ohms
Headphones (stereo phone jack)	Output level	0 - 3 mW at a load impedance of 32 ohms

—Continued on next page—

MICROFILM

STEREO CASSETTE DECK
SONY

General

Power requirements	US, Canadian model: 120V AC, 60Hz AEP, German model: 220—230V AC, 50/60Hz UK, Australian model: 240V AC, 50Hz E model: 120V, 220V, and 240V AC adjustable, 50/60Hz
Power consumption	21 W
Dimensions	Approx. 430 × 123 × 306 mm (w/h/d) ($17 \times 4^{7}/_{8} \times 12^{1}/_{8}$ inches) including projecting parts and controls
Mass	TC-K707ES/K711S: Approx. 5.0kg (11 lbs 1 oz) TC-K611S: Approx. 4.8kg (10 lbs 10 oz)

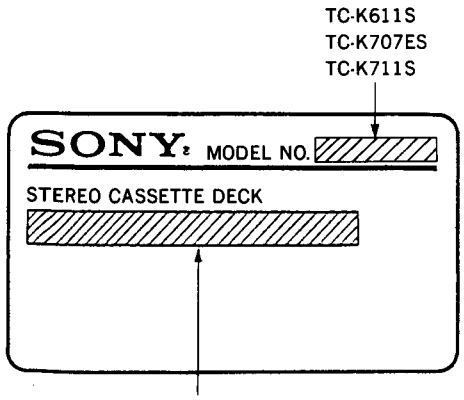
Supplied accessories

Audio connecting cords (2)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION

—Specification Label—



US, Canadian model : AC 120V 60Hz 21W
AEP, German model : AC 220—230V~50/60Hz 21W
UK, Australian model: AC 240V~50/60Hz
E model : AC 120, 220, 240V~50/60Hz 21W

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V. so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

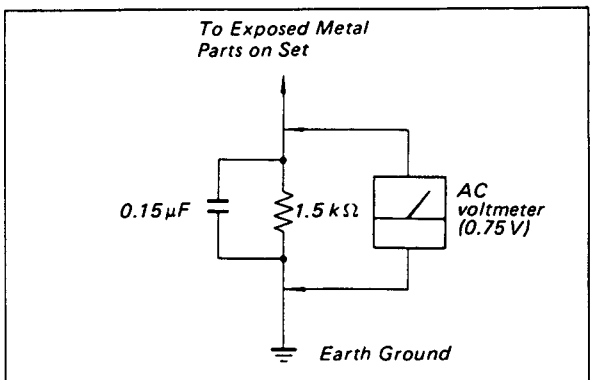


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

TABLE OF CONTENTS

Section	*Title*	*Page*
1.	**GENERAL**	
	Identifying the Parts	4
2.	**DISASSEMBLY**	
2-1.	Mechanism Block	5
2-2.	Cassette Holder	5
2-3.	Ornamental Plate	6
2-4.	Capstan Motor/Flywheel (TC-K707ES, K711S)	6
2-5.	Capstan Motor/Flywheel (TC-K611S)	7
2-6.	Reel and Assist Motors	8
3.	**MECHANICAL ADJUSTMENTS**	9
4.	**ELECTRICAL ADJUSTMENTS**	12
5.	**DIAGRAMS**	
5-1.	Circuit Boards Location	16
5-2.	Printed Wiring Boards—Main Section—	17
5-3.	Schematic Diagram—Audio Section—	21
5-4.	Schematic Diagram—System Control Section—	25
5-5.	Schematic Diagram—Dolby S Section—	29
5-6.	Printed Wiring Board—Dolby S Section—	31
5-7.	Semiconductor Lead Layouts	32
6.	**EXPLODED VIEWS**	
6-1.	Front Panel Section	33
6-2.	Chassis Section	34
6-3.	Mechanism Section 1 (TCM-200V15 : TC-K611S)	35
6-4.	Mechanism Section 2 (TCM-200V15 : TC-K611S)	36
6-5.	Mechanism Section 3 (TCM-200V16 : TC-K707ES) (TCM-200V17 : TC-K711S)	37
6-6.	Mechanism Section 4 (TCM-200V16 : TC-K707ES) (TCM-200V17 : TC-K711S)	38
7.	**ELECTRICAL PARTS LIST**	39

MC-Service

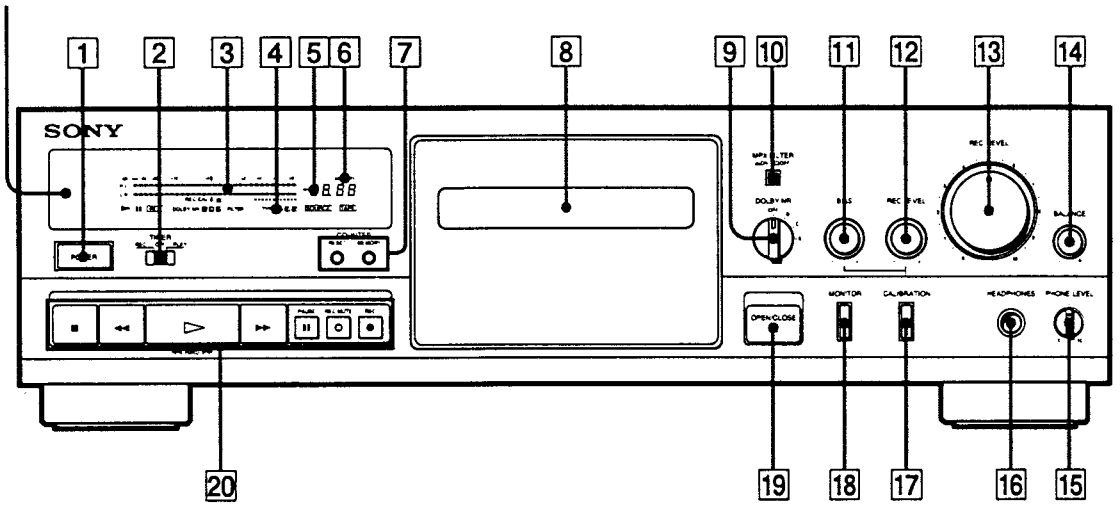
SECTION 1
GENERAL

This section is extracted from instruction manual.

Identifying the Parts

Front Panel

* Remote control sensor



For details, refer to the page number(s) indicated in parentheses.

1 **POWER switch**
2 **TIMER switch (page 16)**
3 **Peak level meter (page 13)**
4 **Tape TYPE indicator**
5 **Linear counter (page 10)**
6 **MEMORY indicator**
7 **COUNTER buttons**
RESET button (page 10)
MEMORY button (pages 9 and 10)
8 **Cassette holder**
9 **DOLBY NR (noise reduction) switch (pages 7 and 11)**
10 **MPX FILTER button (page 13)**
11 **BIAS control (pages 14 and 15)**
12 **REC (recording) LEVEL control for calibration (pages 14 and 15)**
13 **REC (recording) LEVEL control (pages 11 and 13)**
14 **BALANCE control (page 11)**
15 **PHONE (headphones) LEVEL control (page 7)**
16 **HEADPHONES jack (stereo phone jack) (page 7)**
17 **CALIBRATION button (page 14)**
18 **MONITOR button (page 13)**
19 **⏏ OPEN/CLOSE button**
20 **Tape operation buttons**
■ (stop) button
◀◀ (rewind) (Multi-AMS**) button
► (play) button
▶▶ (fast-forward) (Multi-AMS**) button
II PAUSE button
O REC MUTE (record muting) button (page 16)
● REC (recording) button

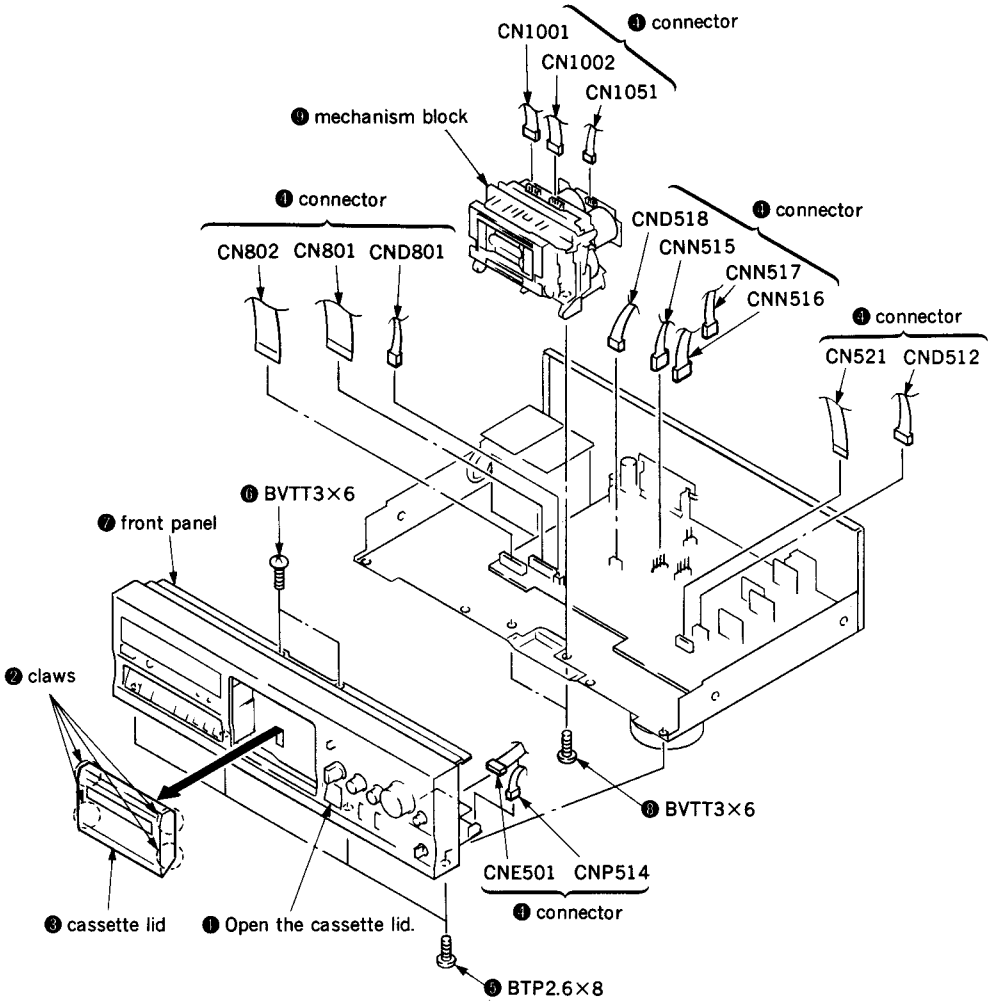
***Remote control sensor**
You can remotely control this cassette deck with:
— A remote commander that came with a Sony amplifier or receiver if it has the R mark and cassette deck control capability.
— An optional Sony remote commander with the R mark and cassette deck control capability.

**AMS is an abbreviation for Automatic Music Sensor.

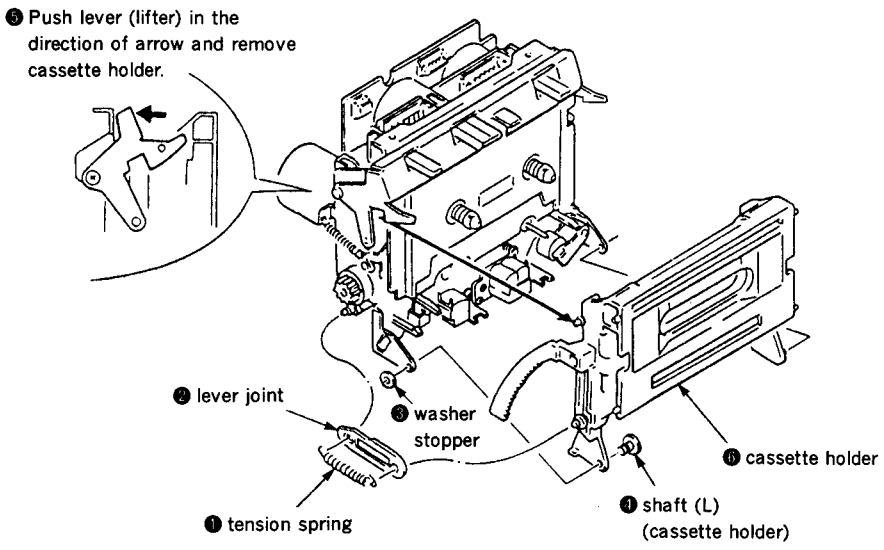
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

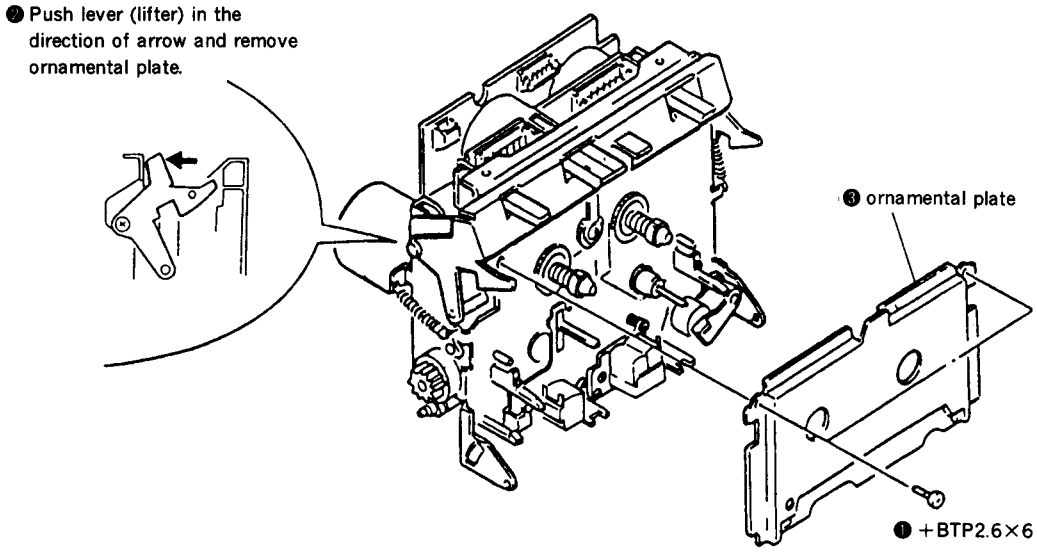
2-1. MECHANISM BLOCK



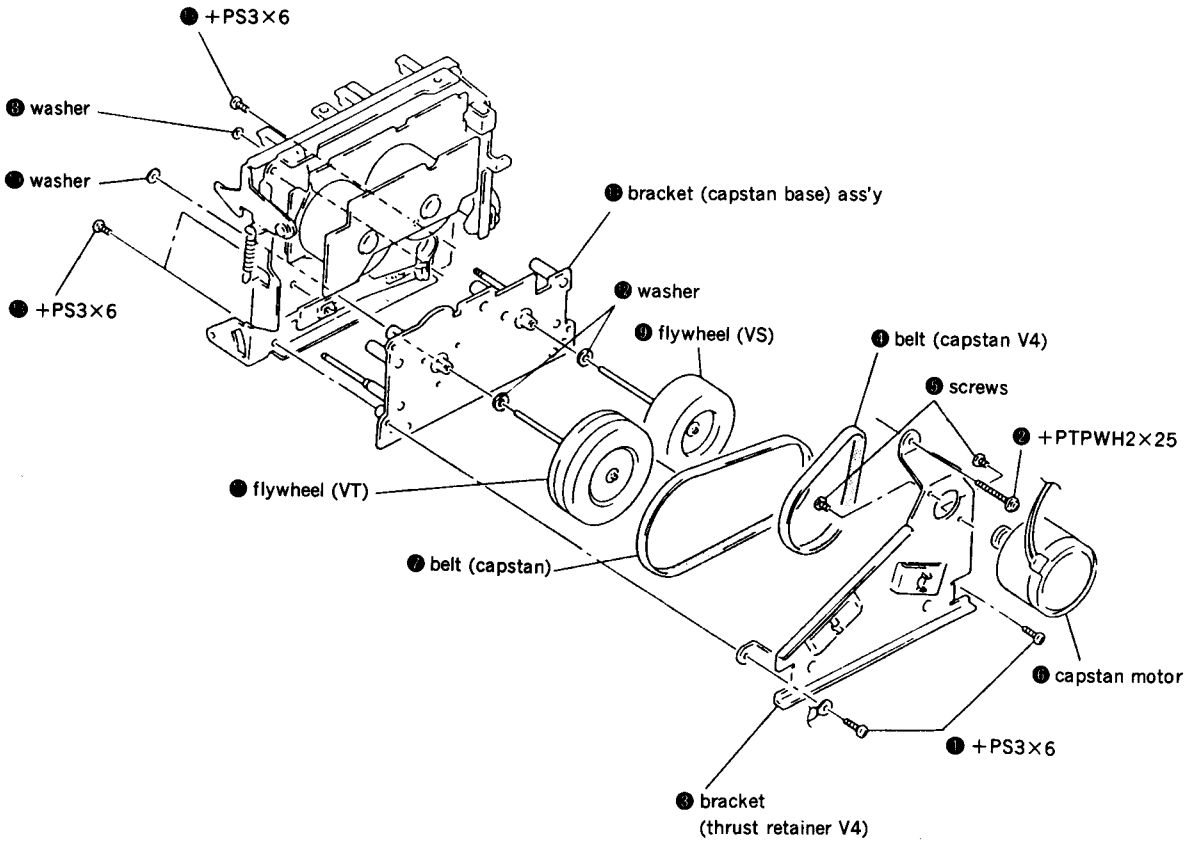
2-2. CASSETTE HOLDER


❺ Push lever (lifter) in the direction of arrow and remove cassette holder.
❷ lever joint
❸ washer stopper
❻ cassette holder
❶ tension spring
❹ shaft (L) (cassette holder)

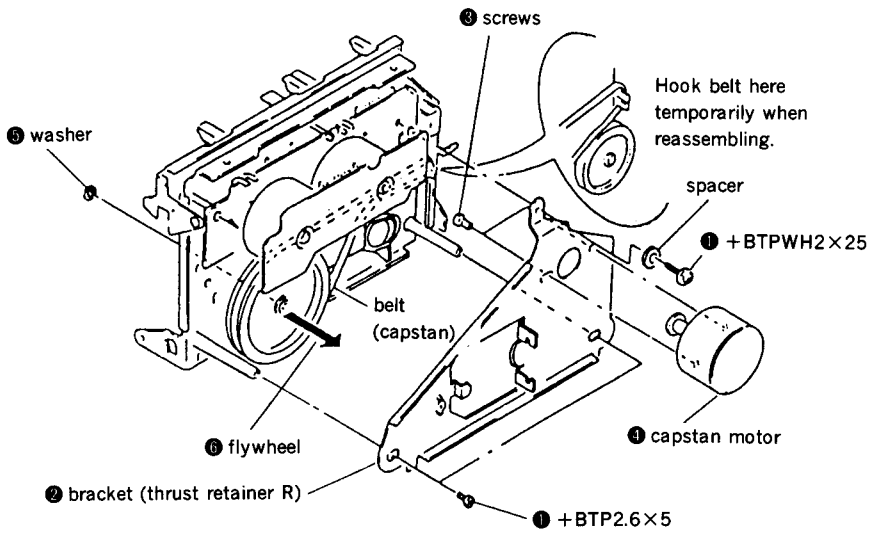
2-3. ORNAMENTAL PLATE



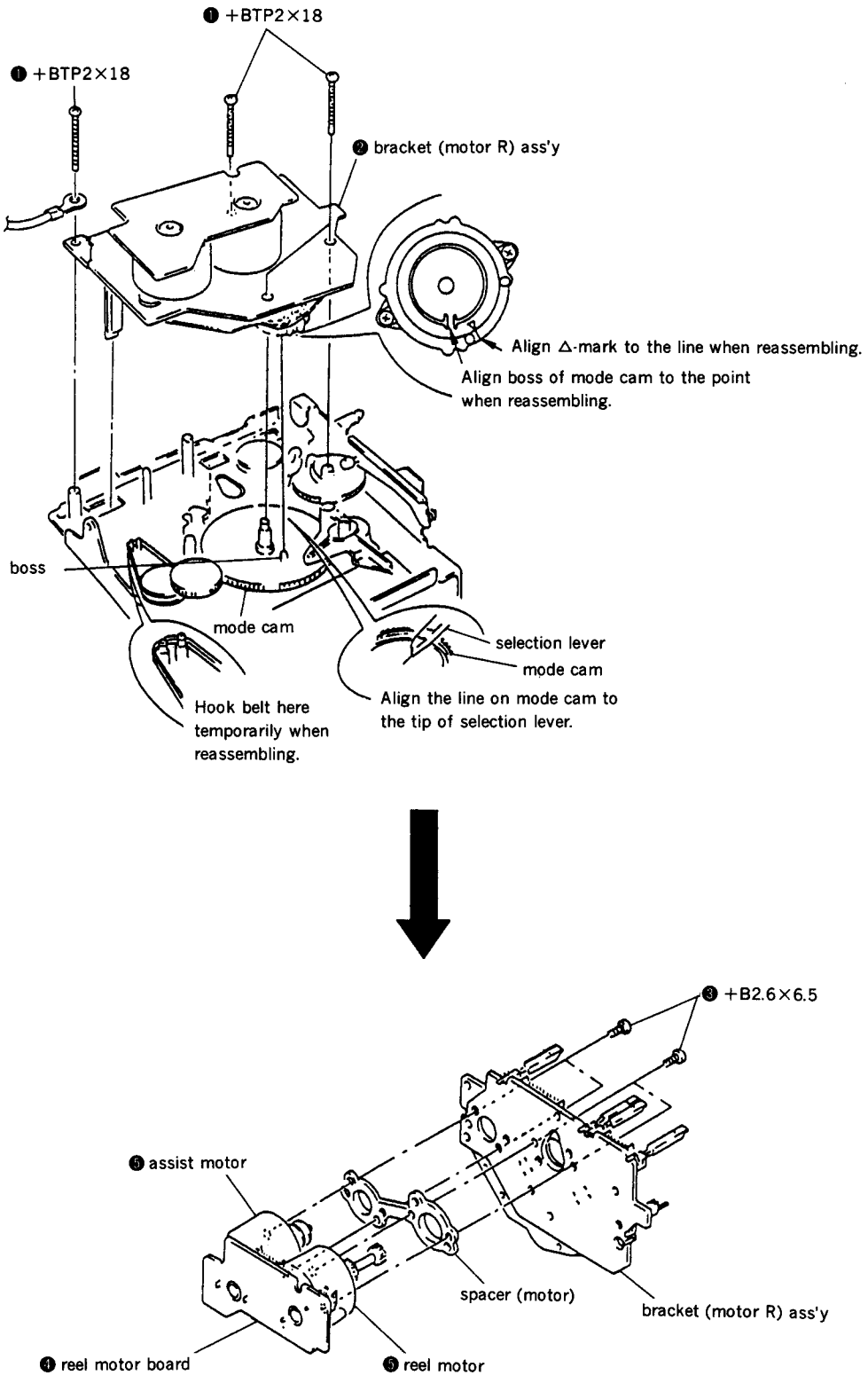
2-4. CAPSTAN MOTOR/FLYWHEEL (TC-K707ES/K711S)



2-5. CAPSTAN MOTOR/FLYWHEEL (TC-K611S)



2-6. REEL AND ASSIST MOTORS


❶ +BTP2×18
❶ +BTP2×18
❷ bracket (motor R) ass'y
Align △-mark to the line when reassembling.
Align boss of mode cam to the point when reassembling.
boss
mode cam
selection lever
mode cam
Hook belt here temporarily when reassembling.
Align the line on mode cam to the tip of selection lever.
❸ +B2.6×6.5
❹ assist motor
spacer (motor)
bracket (motor R) ass'y
❻ reel motor board
❺ reel motor

SECTION 3
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head, pinch roller
   erase head, rubber belts
   capstan, idler
2. Demagnetize the record/playback head with a head demagnerizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.

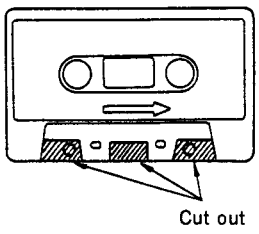
Tape Path Adjustment

Note: When using the adjustment methods for other than replacement reasons, please do not tamper unnecessarily with the adjustment screws or the erase head because either the supply pinch roller guide or the record/playback head will be made the standard tape paths. Moreover, when it is necessary to adjust and replace two or more of any of the heads and/or pinch rollers, replace them one by one, completely taking out the first tape path, and then replacing the second one.

Preparation:

1. Mirror cassette CQ009C 8-909-708-01
   (or CQ012C 8-909-708-02)

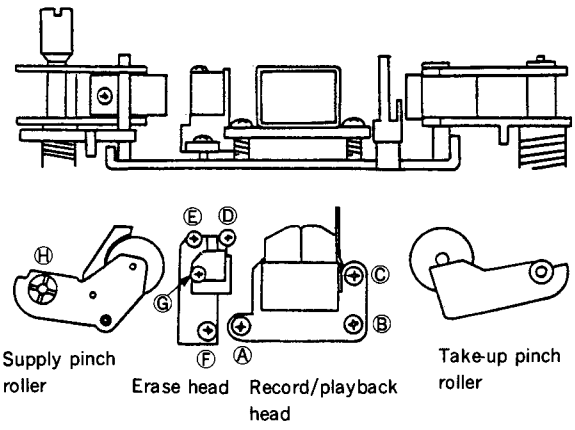
   If one does not have this, cut out the sections of a 120-minute cassette shell as indicated below and use that cassette.



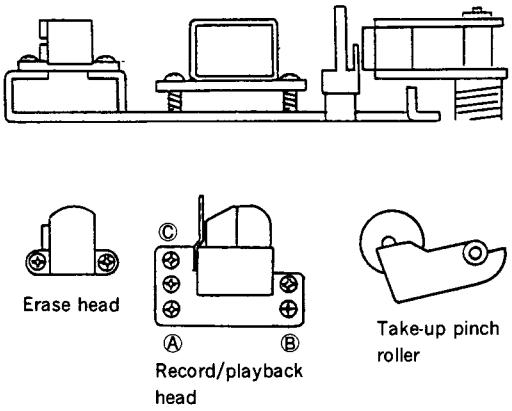
2. Phillips screwdriver (medium-size):
   For the head adjustment screws
   Blade-type screwdriver (large-size):
   For the supply pinch roller adjustment screws
3. Pen light
4. WS-48B (3kHz, 0 dB)
5. P-4-A100 (10kHz, −10dB)

Adjustment Position: As seen from the cassette, side (top) and MD as seen head on (bottom).

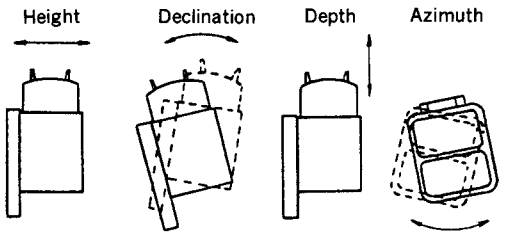
TC-K707ES/K711S:



TC-K611S:



Definition of Terms: The figures are of a record/playback head.



Adjustment Method:

Supply Pinch Roller

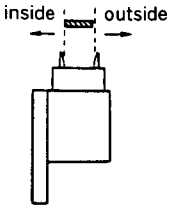
Note: Only perform this adjustment when the supply pinch roller is to be raplaced.

1. Insert the mirror cassette and put the unit in record/playback mode.
2. Check to see whether the tape is curling at the record/playback head guide or the pinch roller guide.
   If it is curling, remove the curl by adjusting the Ⓗ tape curl adjustment screw. Then, check that the tape is running past the middle of the erase head.

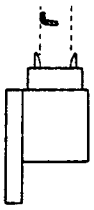
Record/playback Head

Note: Only perform this adjustment when the record/playback head is to be replaced.

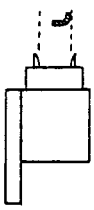
1. Insert the mirror cassette and put the unit in record/playback mode.
2. **(Height Adjustment)** Check to see if the tape is curling at the tape guide of the head. If it is curling, tighten screws Ⓐ, Ⓑ, and Ⓒ, respectively by the same angle, moving the head so that it remains at the same angle through out the procedure. If it curls on the bottom side of the mirror cassette (actually the inner side), tighten all the screws equally ; but loosen them if the tape begins to curl on the top side (outer side).



normal (record/playback head as seen from the side of the erase head.)

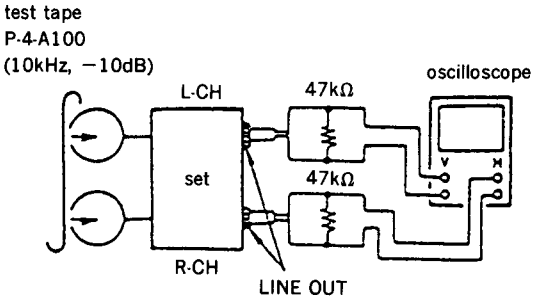


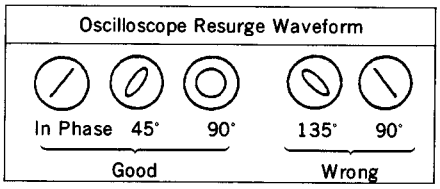
Curling on the inner side. Tighten screws Ⓐ, Ⓑ, and Ⓒ.



Curling on the outer side. Loosen screws Ⓐ, Ⓑ, and Ⓒ.

3. **(Declination Adjustment)** While in the record/playback position, set the back tension to 0 (wind the supply reel with something thin like a pencil in a counterclockwise direction) and make sure there is no curling or shifting (shifting up/shifting down) at the guide of the record/playback head.
   Becuase shifting can only occur due to a difference in the width of the tape and that of the tape guides (curling will otherwise occur), it is necessary to pay close attention since it can be easily overlooked.
   When there is a shift, tighten screws Ⓑ and Ⓒ equally and change the declination of the head. If the tape is shifting up, tighten the screws, and if it is shifting down, loosen them.
4. Repeat the adjustments in steps 2 and 3 and fine adjust the height and the declination.
5. **(Preliminary Azimuth Adjustment)**
   After demagnetizing and cleaning the adjustment head, playback WS-48B (3kHz, 0dB).
   Turn screw Ⓒ so that the reading on the level meter of the unit or that of the level meter connected to LINE OUT is maximized.
   If the screw is turned at least half a revolution, repeat the adjustments from step 1.
6. **(Tape Path Check)** Connect the oscilloscope to LINE OUT and play back P-4-A100 (10kHz, −10dB) to display a resurge waveform. After 20 seconds of record/playback (after the tension within the loop has been increased sufficiently), make sure the variation in the resurge is within ±90 degrees (within ±45 degrees is desired).
   If the declination and /or the height adjustment is not perfect. Repeat the adjustments from setp 1.

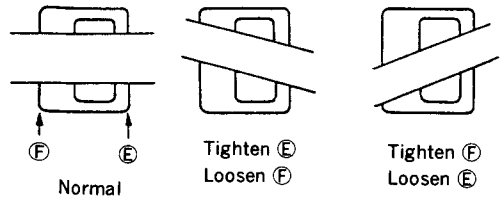




Erase Head

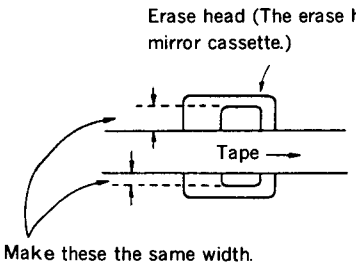
Note: Only perform this adjustment when the erase head is to be replaced.

1. Insert the mirror cassette and put the unit in record/playback mode.
2. **(Azimuth Adjustment)** Adjust the azimuth of the erase head by adjusting screws Ⓔ and Ⓕ so that the tape runs as evenly as possible.

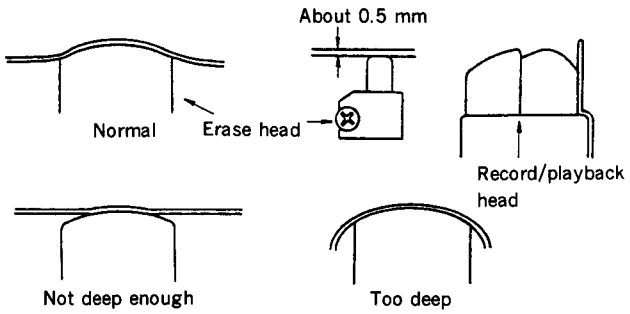


(The erase head as seen when erasing the mirror cassette.)

3. **(Height adjustment)** Turn screws Ⓓ, Ⓔ, and Ⓕ all by the same angle so that the portions of the erase head visible at top and bottom are nearly of equal width. If the width at the top is greater, tighten the screws; if the width at the bottom is greater, loosen the screws.



4. **(Declination Adjustment)** Leaving it in the playback position, put the back tension to 0 and make certain the erase head part and supply pinch roller guide part do not shift. If there is a shift, turn the screw Ⓓ and change the declination.
   Looking at it using the mirror cassette, if the tape shifts up, tighten the screw, and if it shifts down, loosen the screw.
5. Repeat the adjustments beginning with step 2 and fine adjust the height and declination. And make sure the tape does not curl up on the pinch roller guide or the guide part of the record/playback head.
6. **(Depth Adjustment)** In order to make the entire head play the tape smoothly, and to make sure the depth of the erase head is neither too shallow nor too deep, loosen screw Ⓖ a bit.



Check

1. Check to make sure that there are no curls or shifts through out the whole tape path and that the tape runs smoothly.
2. Reapply the locking compound to the adjusted screws. (The locking compound should only be applied to screw Ⓖ after the azimth has been adjusted.)

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30—60g•cm (0.42—0.83 oz•inch)
FWD Back tension	CQ-102C	1—5g•cm (0.014—0.069 oz•inch): TC-K611S 7—11 g•cm (0.097—0.153 oz•inch): TC-K707ES/K711S
FF, REW	CQ-201B	65—90g•cm (0.90—1.25 oz•inch)

Pinch Roller Pressing Force Measurement

Mode : playback

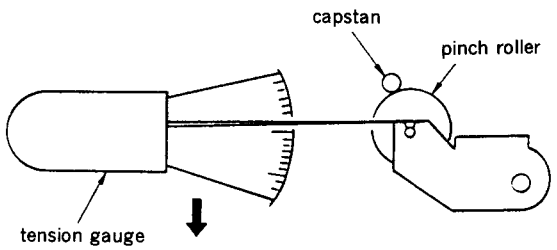
Hook needle of the tension gauge to the pinch roller shaft and push back pinch roller to detach it from capstan. Then, return it gradually to capstan and read the gauge when the pinch roller begins turnning.

Standard Limits:

210—310g (7.4—10.9 oz) : TC-K611S

Tape-up side : 270—350g (9.5—12.3 oz) } : TC-K707ES/

Supply side : 180—280g (6.4—9.9 oz) } K711S



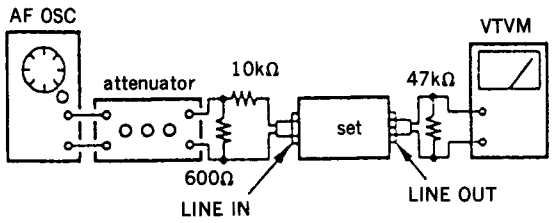
MC-Service

SECTION 4
ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in the service manual. As a rule, adjustments about playback should be perfomed before those about recording.
The adjustments should be perfomed before for both L-CH and R-CH.

- Switches and controls shoud be set as follows unless otherwise specified.
  DOLBY NR switch: OFF
  MPX FILTER switch: OFF
  MONITOR switch: Tape
- Standard Record:
  Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

—Record Mode—



0dB=775mV

Standard Input Level

input terminal	LINE IN
source impedance	10kΩ
input level	0.5V (−3.8dB)

Standard Output Level

output termial	LINE OUT
load impedance	47kΩ
output level	0.5V (−3.8dB)

Test Tape

Type	Signal	Used for
P-4-A100	10kHz, −10dB	Azimth Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

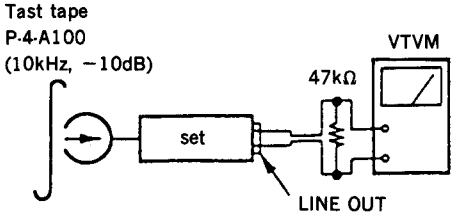
Test Mode

This set will get into test mode by shorting the pins of CNE702 (TEST) on MAIN board before turning the power on.

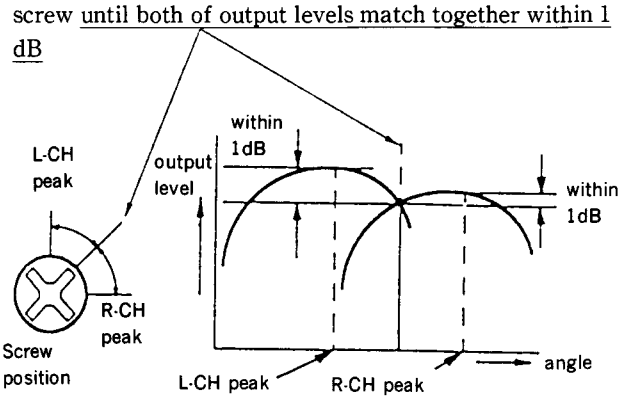
Record/Playback Head Azimuth Adjustment

Procedure:

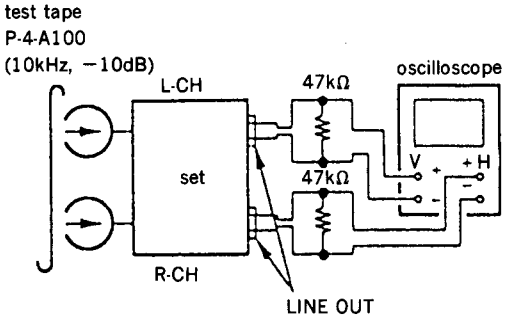
1. Mode: FWD playback

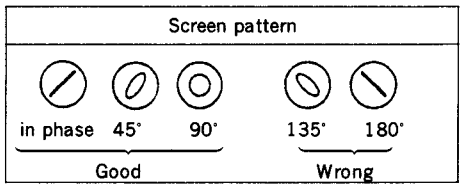


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB



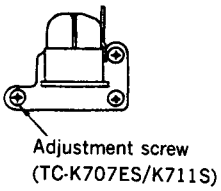
3. Phase Check
   Mode: playback

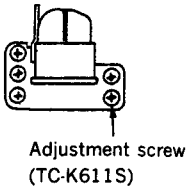




4. After the adjustment, lock the screws with locking compound.

Adjustment Location: Record/Playback head

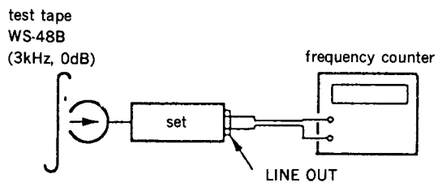




Tape Speed Adjustment

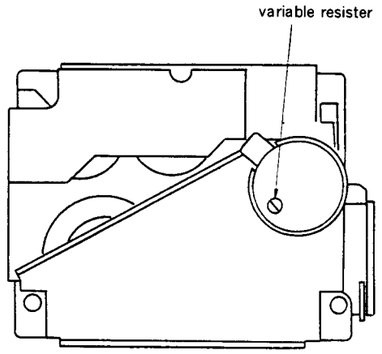
Procedure :

Mode : playback



1. Short the connector CNE702 (pins ① and ②). (test mode)
2. Set to FWD playback mode.
3. Adjust motor rear side (variable resister) so that the frequency counter reading becomes 3,000±15Hz.
4. After adjustment, open the connector CNE702.

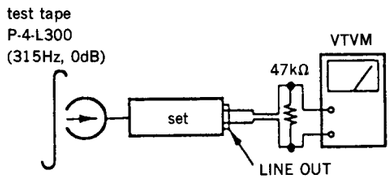
Adjustment Location : motor rear side (M1053)



Playback Level Adjustment

Procedure :

Mode : playback



Adjust RV121 (L-CH) and RV221 (R-CH) so that the reading on VTVM meets the adjustment limits below.

Adjustment Limits :

LINE OUT level : −8.2 to −7.2dB (0.301 to 0.338V)

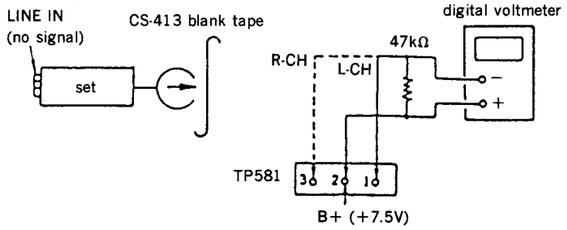
Level difference between channels : within 0.5dB

Check that the LINE OUT level does not change even if Playback and Stop operation is repeated several times.

Adjutment Location : MAIN board

Bias Consumption Current Adjustment

Procedure :



1. Set RV181 (L-CH) and RV281 (R-CH) to mechanical center and turn the set recording mode.
2. Connect digital voltmeter as shown by the following table.
3. Adjust the following transformers for the minimum readings on the digital voltmeter

	Mesurement Point	Adjustment Part	Value
L-CH	① and ②, TP581	T181	less than 200mV
R-CH	③ and ② TP581	T281	

Adjustment Location : MAIN board

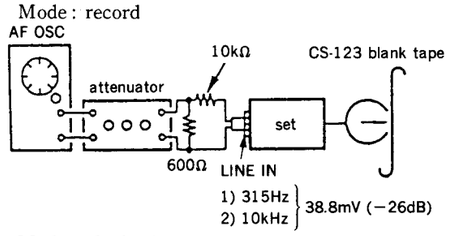
Record Bias Adjustment

Setting :

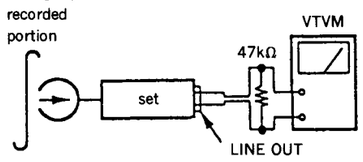
REC LEVEL control : Standard Record

Procedure :

1. Short the connector CNE702 (pins ① and ②). (test mode)
2. Mode : record



3. Mode : playback



4. Playback the signal recorded in step 1.
5. Confirm that the 10kHz playback output is 0±0.5dB : (TC-K611S/K711S) or 0±0.3dB : (TC-K707ES) relative to the 315Hz output. If necessary, adjust RV181 (L-CH) and RV281 (R-CH) for repeat the steps given above.
6. After adjustment, open the connector CNE702.

Adjustment Location : MAIN board

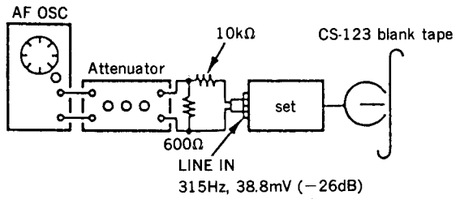
Record Level Adjustment

Setting :

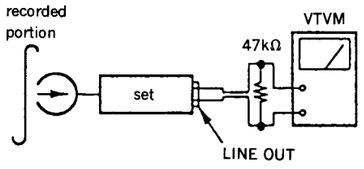
REC LEVEL control : Standard Record

Procedure :

1. Short the connector CNE702 (pins ① and ②). (test mode)
2. Mode : record



3. Mode : playback



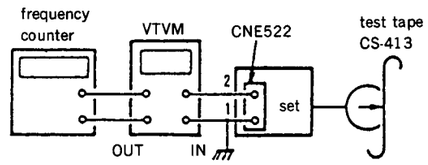
4. Playback the signal recorded in step 1.
5. Confirm that the signal level is within the adjustment limits below. If necessary, adjust RV141 (L-CH) and RV241 (R-CH) repeat the step 1 and 2.
6. After adjustment, open the connector CNE702.

Adjustment Limits : −26.5 to −25.5dB (36.7 to 41.1mV)

Adjustment Location : MAIN board

Erase Current Adjustment (TC-K707ES/K711S)

1. Mode : record



2. Adjust RV504 so that the reading on VTVM is 110mV (erase current=110mA.)
3. And then confirm that the reading on the frequency counter is 160kHz.

Adjustment Limits :

Erase current : 105 to 110mA

Frequency : 160±6kHz

Adjustment Location : MAIN board

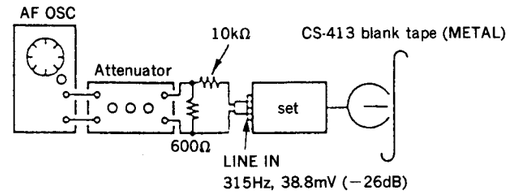
Record EQ (IV) Adjustment

Setting :

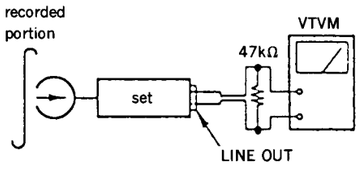
REC LEVEL control : Standard Record

Procedure :

1. Short the connector CNE702 (pins ① and ②). (test mode)
2. Mode : record



3. Mode : playback



4. Playback the signal recorded in step 1.
5. Adjust RV142 (L-CH) or RV242 (R-CH) so that the reading on VTVM meets the within 1dB for difference between L-CH and R-CH.
6. Adjust RV508 so that the R-CH meet the specification.
7. After adjustment, open the connector CNE702.

Adjustment Limits :

10kHz level difference against 315Hz reference.

0±0.3dB : (TC-K707ES)

0±0.5dB : (TC-K611S/K711S)

Adjustment Location : MAIN board

and ②). (test mode)

blank tape (METAL)

−26dB)

VTVM

1.

H) so that the read-

dB for difference

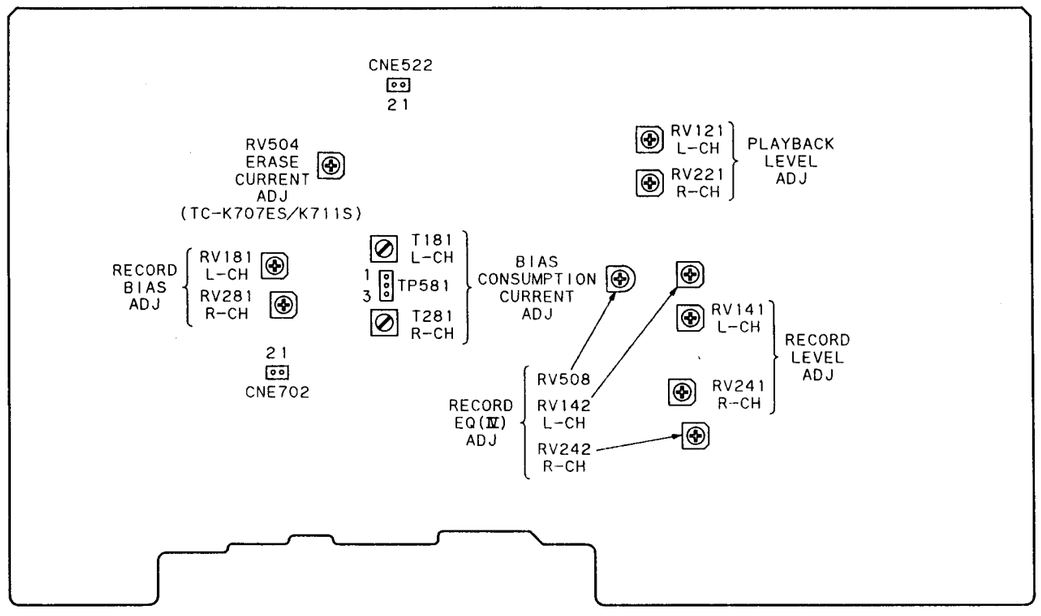
the specification.

CNE702.

reference.

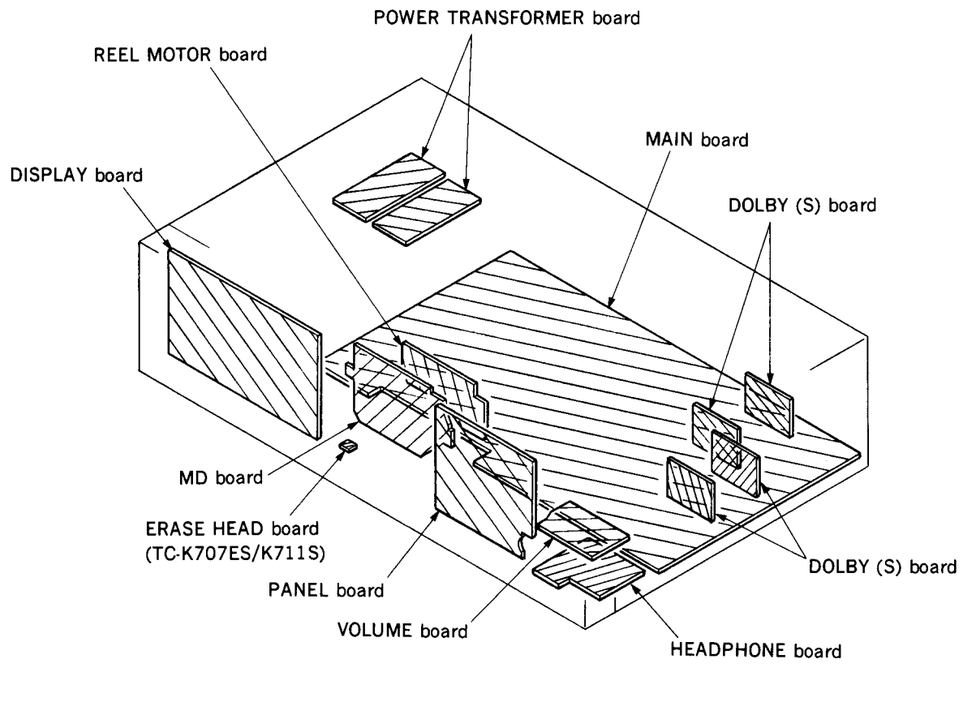
Adjustment Location :

【 MAIN BOARD 】(COMPONENT SIDE)



SECTION 5
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



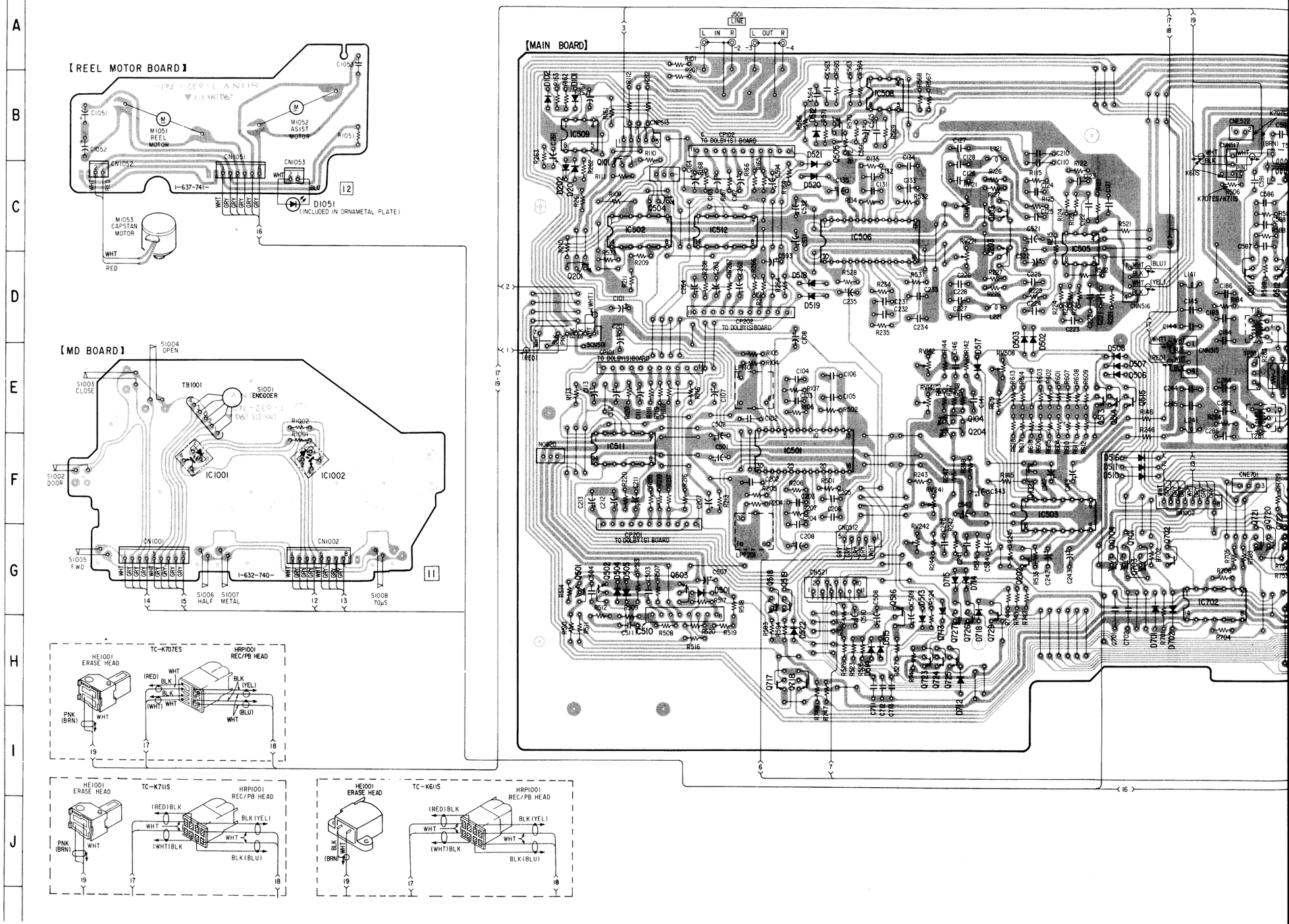
• Semiconductor Location

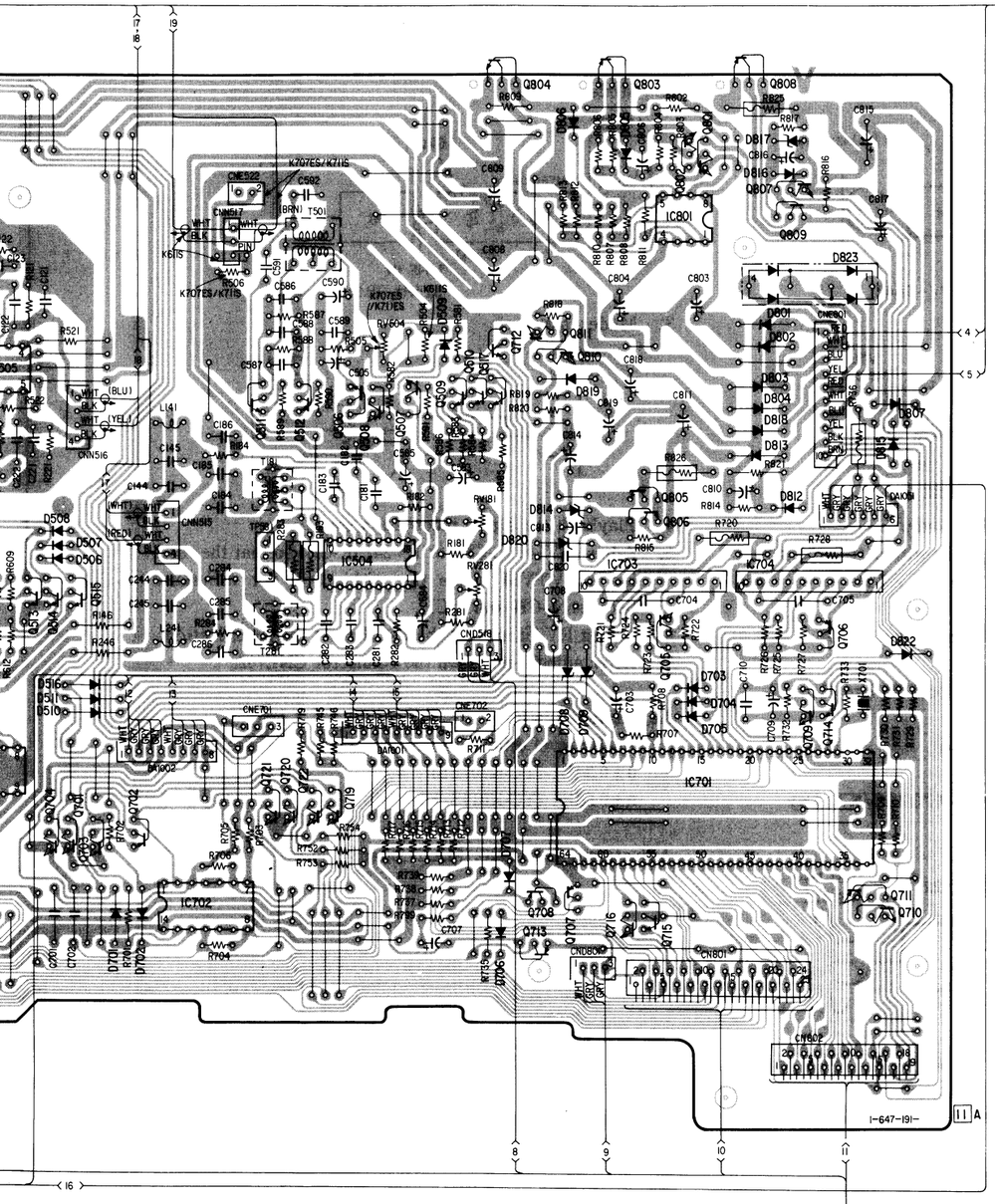
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	B-7	D822	F-19	Q707	G-16
D102	B-6	D823	C-18	Q708	G-16
D201	C-7	D1051	C-4	Q709	F-18
D202	C-6			Q710	G-18
D501	G-8	IC501	F-9	Q711	G-18
D502	E-12	IC502	C-7	Q712	C-16
D503	E-11	IC503	F-12	Q713	H-16
D504	G-7	IC504	E-15	Q714	F-18
D505	G-7	IC505	C-12	Q715	G-17
D506	E-12	IC506	C-10	Q716	G-17
D507	E-12	IC507	B-21	Q717	H-9
D508	E-12	IC508	B-10	Q718	H-9
D509	C-15	IC509	B-7	Q719	G-14
D510	F-13	IC510	H-8	Q720	G-14
D511	F-13	IC511	F-7	Q721	G-14
D512	B-9	IC512	C-8	Q722	G-14
D513	H-10	IC701	G-17	Q723	H-10
D514	H-10	IC702	G-14	Q724	H-11
D515	H-10	IC703	E-17	Q725	H-11
D516	F-13	IC704	E-18	Q726	H-11
D517	E-11	IC751	I-20	Q727	H-11
D518	D-9	IC801	B-17	Q729	H-11
D519	D-9	IC1001	F-2	Q801	B-17
D520	C-9	IC1002	F-4	Q802	B-17
D521	C-9			Q803	A-16
D522	H-9	Q101	C-7	Q804	A-16
D701	G-13	Q102	F-12	Q805	D-17
D702	G-13	Q103	C-11	Q806	E-17
D703	F-17	Q104	E-11	Q807	B-18
D704	F-17	Q201	D-7	Q808	A-17
D705	F-17	Q202	G-11	Q809	B-18
D706	H-16	Q203	D-11	Q810	C-16
D707	G-16	Q204	E-11	Q811	C-16
D708	F-16	Q501	G-7		
D709	F-16	Q502	G-7		
D712	H-11	Q503	G-8		
D713	H-11	Q504	C-7		
D714	G-11	Q505	B-9		
D715	G-11	Q506	D-15		
D718	H-11	Q507	D-15		
D751	I-23	Q508	D-15		
D752	I-23	Q509	D-15		
D801	C-18	Q510	D-16		
D802	C-18	Q511	D-14		
D803	D-18	Q512	D-14		
D804	D-18	Q513	E-12		
D805	B-17	Q514	E-12		
D806	B-16	Q515	E-13		
D807	D-19	Q516	G-10		
D812	D-18	Q517	D-16		
D813	D-18	Q518	G-9		
D814	E-16	Q519	G-9		
D815	D-19	Q701	G-13		
D816	B-18	Q702	G-13		
D817	B-18	Q703	G-13		
D818	D-18	Q704	G-12		
D819	D-16	Q705	E-17		
D820	E-16	Q706	E-18		

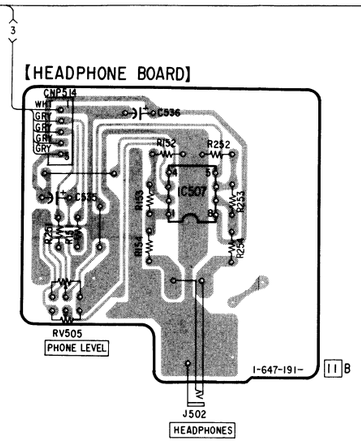
Note:

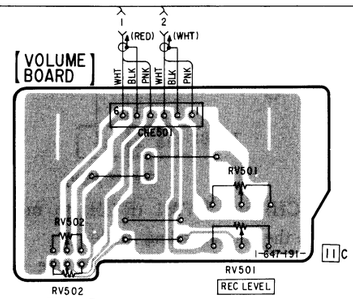
- ○—— : parts extracted from the component side.
- CND : Canadian model
- G : German model
- AUS : Australian model

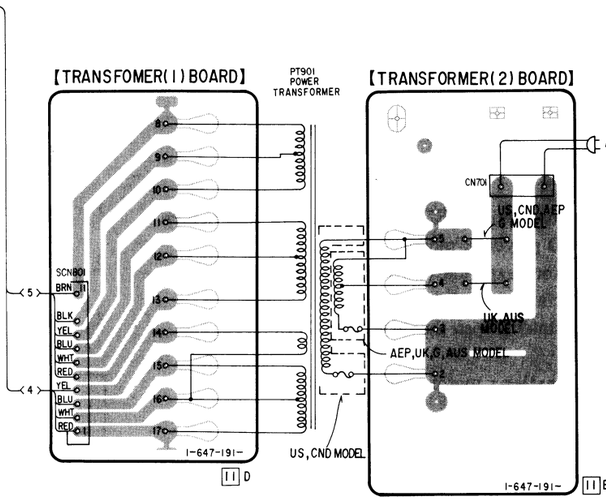
5-2. PRINTED WIRING BOARDS—MAIN SECTION— • Refer to page 32 for Semiconductor Lead Layouts.

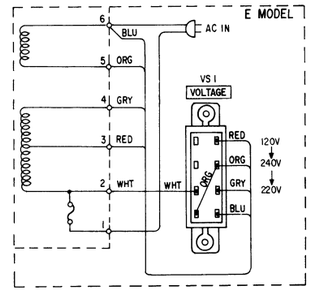


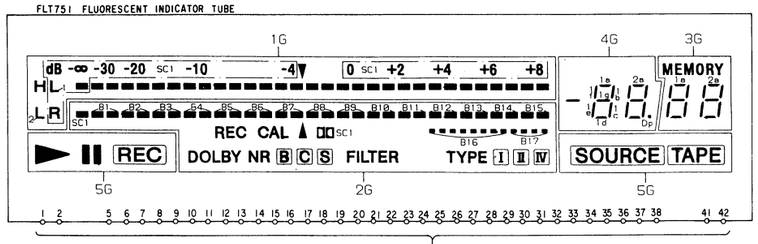

I-647-191-
II A

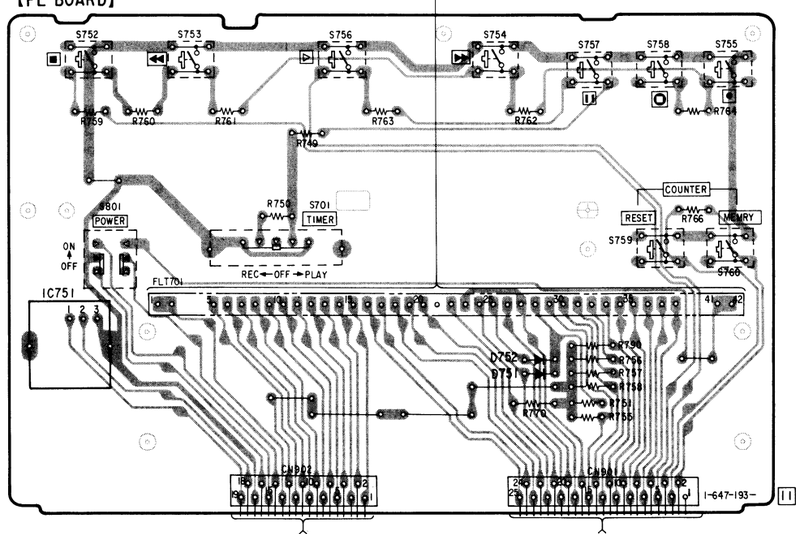

【HEADPHONE BOARD】
RV505
PHONE LEVEL
J502
HEADPHONES
I-647-191-
II B

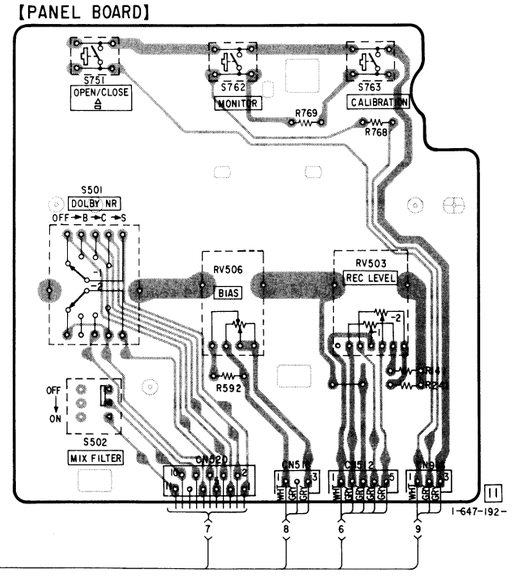

【VOLUME BOARD】
RV502
BALANCE
RV501
REC LEVEL
I-647-191-
II C


【TRANSFOMER(1)BOARD】
PT901
POWER
TRANSFORMER
【TRANSFORMER(2)BOARD】
AC IN
US,CND,AEP
E MODEL
UK,AUS
MODEL
AEP,UK,E,AUS MODEL
US,CND MODEL
I-647-191-
II D
II E

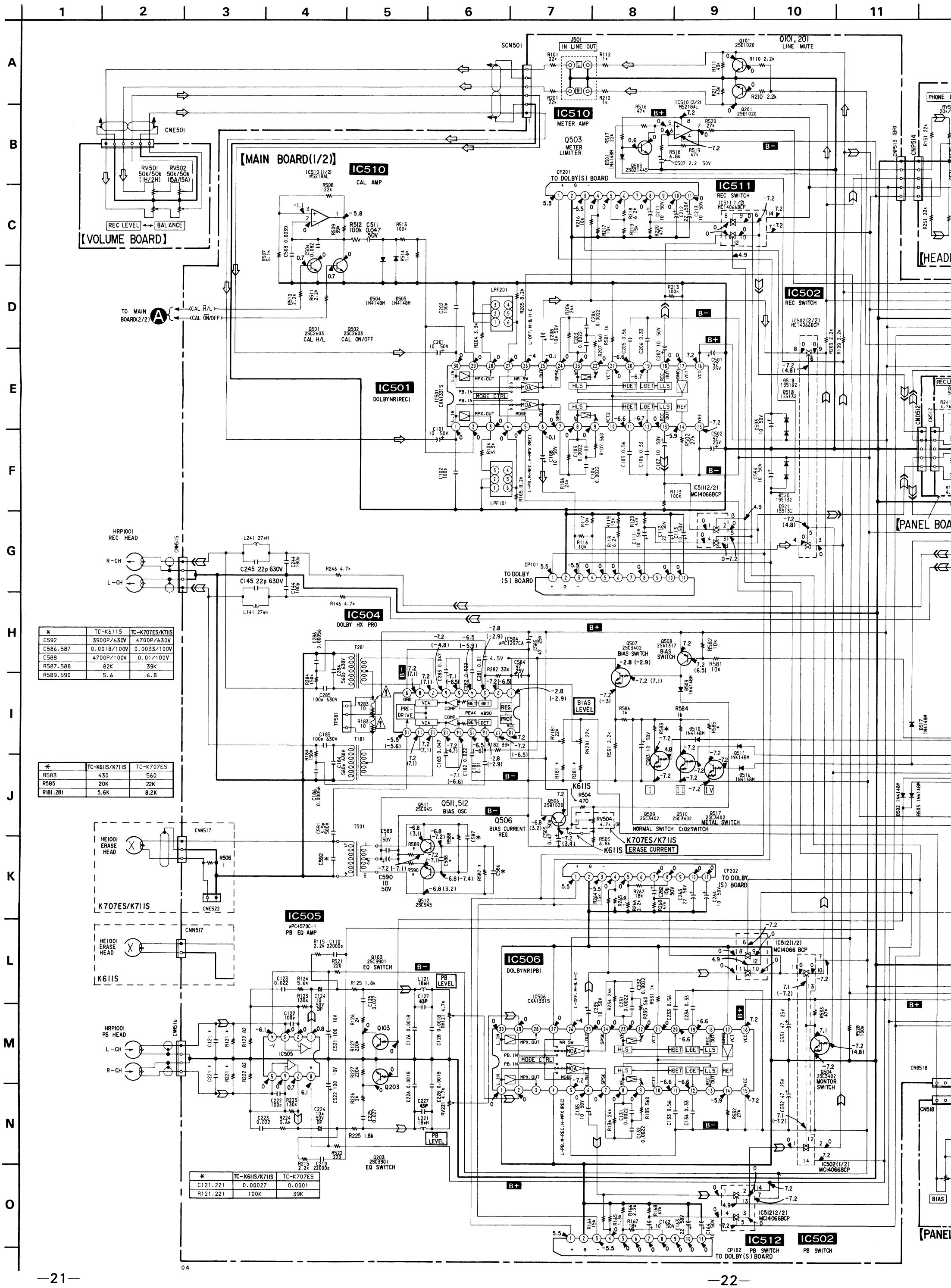

E MODEL
AC IN
VOLTAGE
120V
240V
220V


FLT751 FLUORESCENT INDICATOR TUBE
REC CAL
DOLBY NR B C S FILTER
TYPE I II IV
MEMORY
SOURCE TAPE
REC


【FL BOARD】
POWER
TIMER
REC OFF PLAY
COUNTER
RESET
MEMORY
FLT701
IC751
I-647-193-
II


【PANEL BOARD】
OPEN/CLOSE
MONITR
CALIBRATION
DOLBY NR
OFF→B→C→S
BIAS
REC LEVEL
MIX FILTER
I-647-192-
II

5-3. SCHEMATIC DIAGRAM—AUDIO SECTION—



*	TC-K611S	TC-K707ES/K71IS
C592	3900P/630V	4700P/630V
C586.587	0.0018/100V	0.0033/100V
C588	4700P/100V	0.01/100V
R587.588	82K	39K
R589.590	5.6	6.8

*	TC-K61IS/K71IS	TC-K707ES
R583	430	560
R585	20K	22K
R181.281	5.6K	8.2K

*	TC-K61IS/K71IS	TC-K707ES
C121.221	0.00027	0.0001
R121.221	100K	39K

11 12 13 14 15 16 17 18 19 20 21

[HEADPHONE BOARD]

PHONE LEVEL
RV505 20k/20k
IC507 M5218P
IC507
HEADPHONE AMP
CNP513 (BR)
CNP514
R151 22k
R251 22k
C535 10 50V
C536 10 50V
R152 2.2k
R153 20k
R154 220
R252 2.2k
R253 20k
R254 220
J502
HEADPHONES

IC508
AMS AMP
IC508 RC4558P
R563 100k
R564 10k
C563 56p
C564 0.022
R565 100k
R566 8.2k
R571 10k
Q505 2SA1115
D512 1N4148M
R567 100k
R569 100k
C566 2.2 50V
R570 10k
R568 3.3k
C565 56p
R572 1k
Q505
AMS DET

IC509
METER AMP
IC509 RC4558P
R161 27k
R162 62k
R163 270
D101 1N4148M
D102 1N4148M
C161 2.2 50V
D202 IN4148M
C261 2.2 50V
R262 62k
R263 270
D201 1N4148M
R261 27k

METER (L)
METER (R)
AMS
B TO MAIN BOARD(2/2)
-7.5V
GND
+7.5V
G TO MAIN BOARD(2/2)
LINE MUTE
REC MUTE
D TO MAIN BOARD(2/2)

Q104,204
REC EQ SWITCH
REC LEVEL
RV503 5k/5k (B)
CND512
CN512
R241 4.7k
R243 3.3k
RV241 22k (B)
RV242 47k (B)
R244 10k
R242 3.9k
C242 10 50V
C246 0.0022
Q204 2SC3402
Q202 2SD1020
C241 0.68
R245 2.2k
R534 100k
R248 220k
R247 4.7k
R148 220k
R147 4.7k
R143 3.3k
C146 0.0022
Q104 2SC3402
Q102 2SD1020
C141 0.68
R145 2.2k
R144 10k
R142 3.9k
RV142 47k(B)
RV141 22k (B)
R141 4.7k
C142 10 50V
C534 10 50V
C542 10 50V
C543 10 50V
C143 10 50V
C243 10 50V
[PANEL BOARD(4/4)]

IC503
CXA1198AP
IC503
REC EQ AMP

Q102,202
REC MUTE

RV141,241
REC LEVEL
RV142,242,508
REC EQ (IV)

IV
II
I

R613 * R614 51k R619 33k * R616 * R617 * R618 *
R607 62k R608 47k R609 * R610 * R611 * R612 220k
R601 * R602 33k * R603 * R604 * R605 * R606 *
RV508
GH GL GP F/Q FQ FM

Q513 2SC3402 METAL
Q514 2SC3402 CrO2
Q515 2SC3402 NORMAL

D517 1N4148M
D502 1N4148M
D503 1N4148M
D506 1N4148M
D507 1N4148M
D508 1N4148M

BIAS
I
II
IV
TAPE/SOURCE
C TO MAIN BOARD(2/2)

D513 1N4148M
D514 1N4148M
D515 1N4148M
R525 10k
R523 10k
R526 2.7k
R524 10k
C508 2.2 50V
Q516 2SC3402 CAL DET
R527 47k
C509 2.2 50V

J
D
F TO MAIN BOARD(2/2)

D522 1N4148M
FLS
E TO MAIN BOARD(2/2)

R533 47k
R528 100k
R593 33k
R594 1.8k
C510 10 50V
R529 15k
Q518,519
DOLBYS SWITCH
CN8518
Q518 2SC3399
Q519 2SC3399
CN521(1/3)
CN518
CN520(1/3)
RV501 10k
RV502 10k
S501-2
OFF → B → C → S
BIAS
DOLBY NR
[PANEL BOARD(1/4)]

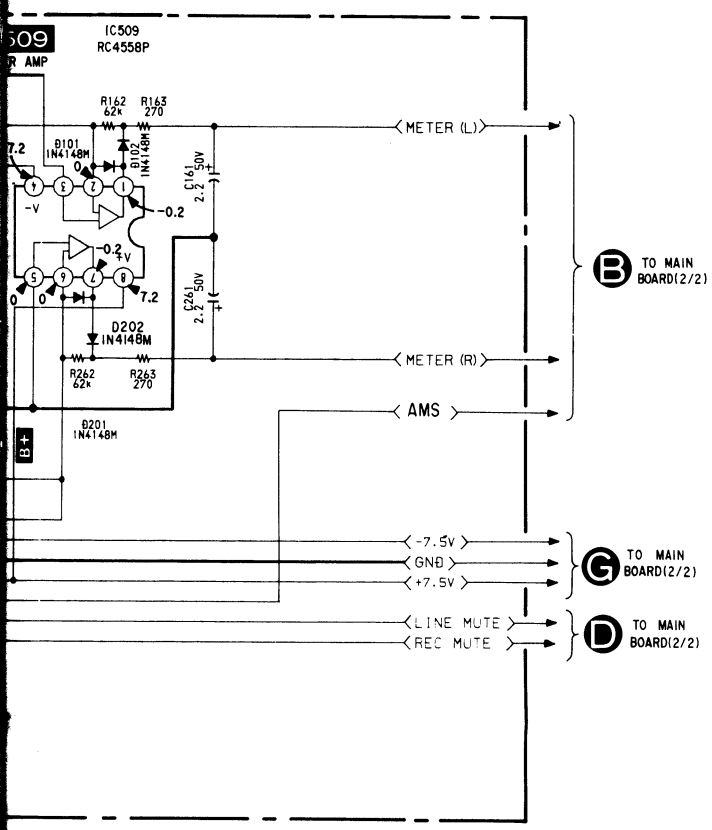
Q504 2SC3402 MONITOR SWITCH
IC502(1/2) MC140668CP
502 SWITCH

*	TC-K707ES	TC-K711S TC-K611S
R601	91K	68K
R603	91K	47K
R604	75K	62K
R605	68K	100K
R606	22K	22K
R609	130K	110K
R610	75K	91K
R611	56K	68K
R613	75K	68K
R616	47K	62K
R617	82K	62K
R618	150K	200K
RV508	220K(B)	330K(B)

Note:
- All capacitors are in μ 50WV or less are no and tantalums.
- All resistors are in Ω specified.
- : fusible resisto

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- : adjustment fo
- Voltage is dc with resp conditions.
  no mark : PB
  ( ) : REC
- Voltages are taken wit Voltage variations ma tion tolerances.
- Signal path.
  : LINE
  : PB
  : REC



	TC-K707ES	TC-K711S TC-K611S
R601	91K	68K
R603	91K	47K
R604	75K	62K
R605	68K	100K
R606	22K	22K
R609	130K	110K
R610	75K	91K
R611	56K	68K
R613	75K	68K
R616	47K	62K
R617	82K	62K
R618	150K	200K
V508	220K(B)	330K(B)

C TO MAIN BOARD(2/2)

F TO MAIN BOARD(2/2)

E TO MAIN BOARD(2/2)

MC-Service

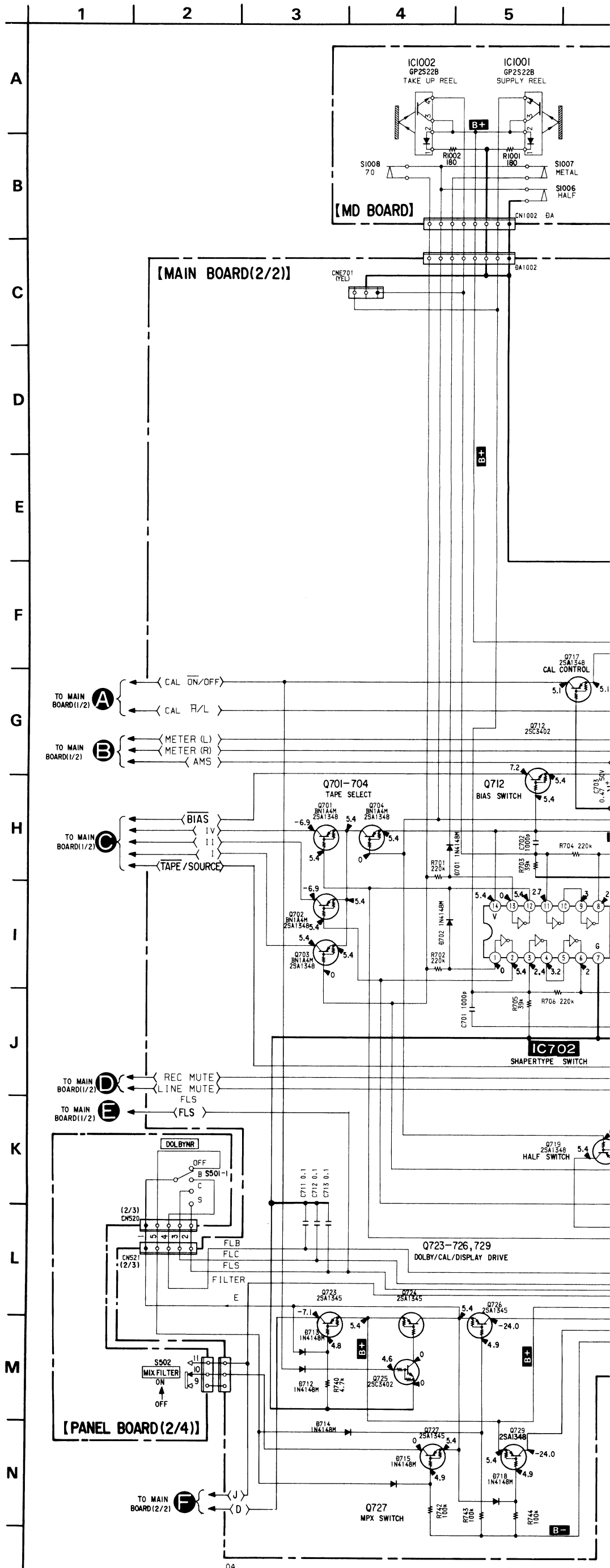
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- : fusible resistor.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : adjustment for repair.
- Voltage is dc with respect to ground under no-signal conditions.
  no mark : PB
  ( ) : REC
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : LINE
  ▷ : PB
  ▷» : REC

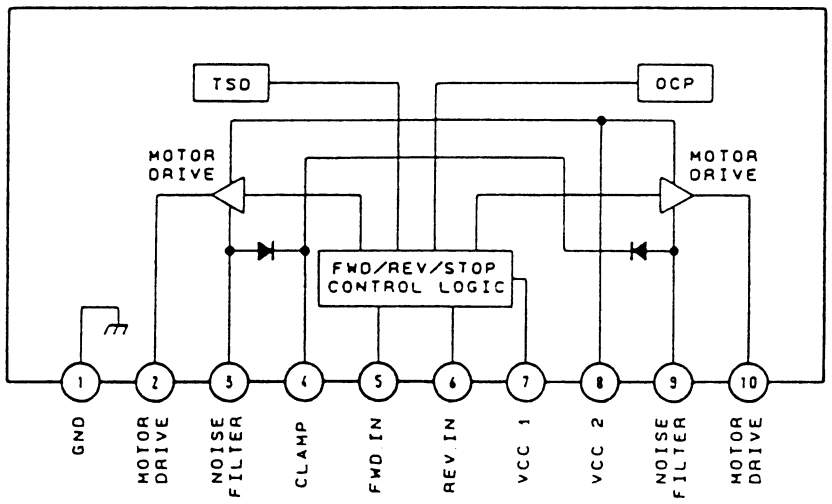
5-4. SCHEMATIC DIAGRAM—SYSTEM CONTROL SECTION—



• IC Block Diagram

IC703 BA6219B

IC704 LB1641

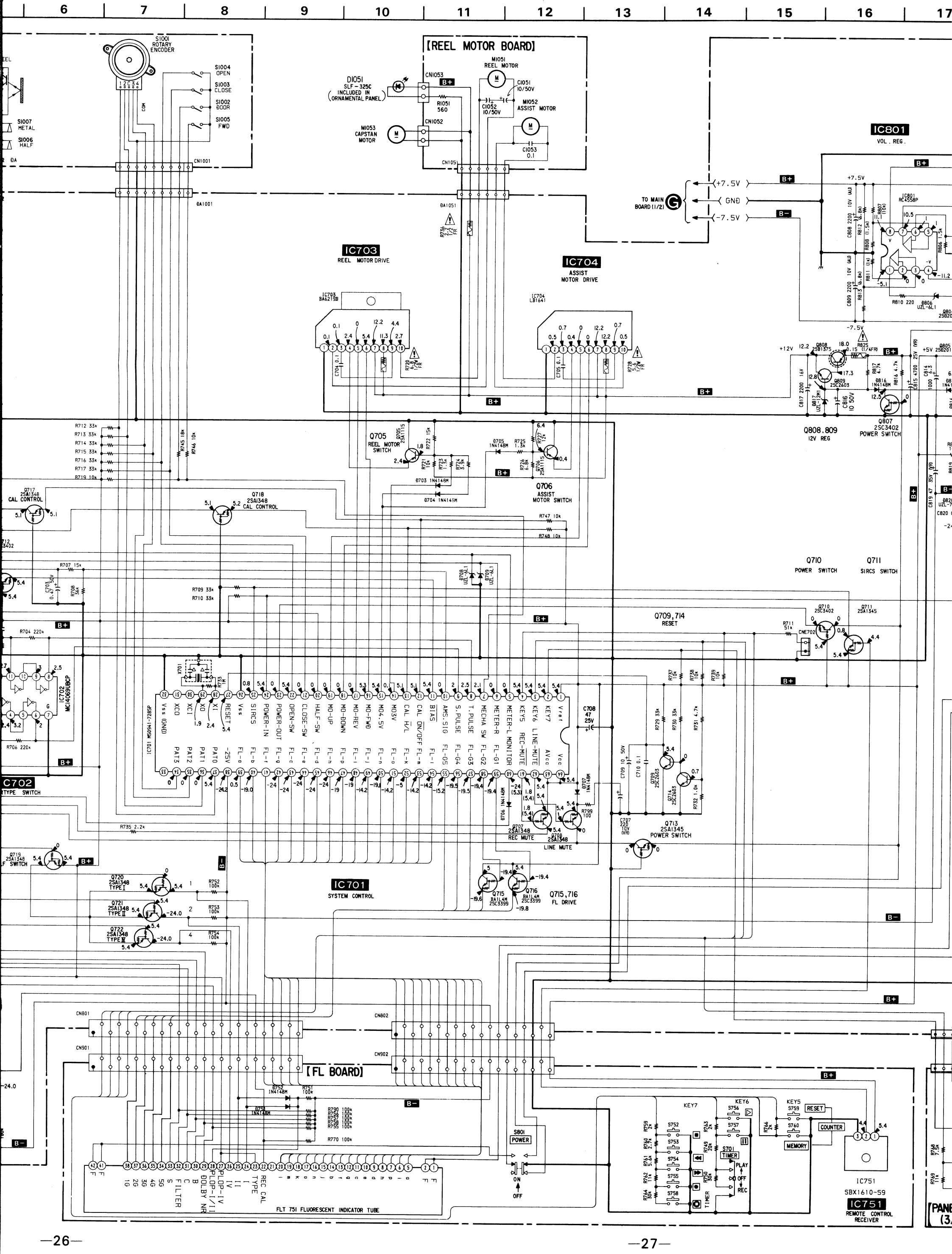


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Voltage is dc with respect to ground under no-signal conditions.
  no mark : PB
  ( ) : REC
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- G : German model
- AUS: Australian model


6
7
8
9
10
11
12
13
14
15
16
17
S1001 ROTARY ENCODER
S1004 OPEN
S1003 CLOSE
S1002 DOOR
S1005 FWD
S1007 METAL
S1006 HALF
COM
CN1001
ĐA1001
【REEL MOTOR BOARD】
MI051 REEL MOTOR
DI051 SLF-325C (INCLUDED IN ORNAMENTAL PANEL)
CN1053
B+
RI051 560
CI051 10/50V
CI052 10/50V
MI052 ASSIST MOTOR
CN1052
MI053 CAPSTAN MOTOR
CI053 0.1
CN1051
ĐA1051
R736 2.7 1/4 FR
TO MAIN BOARD (1/2) G
+7.5V
GNĐ
-7.5V
B-
IC801
VOL. REG.
IC801 RC4558P
C808 2200 10V (AU)
C809 2200 10V (AU)
R812 (6.8k)
R813 (6.8k)
R807 (10k)
R808 (11.5k)
R811 (1k)
R810 220
R806 1.5k
D806 UZL-6L1
C814 6.3
C815 4700 25V (VR)
C816 10 50V
C817 2200 16V
C819 47 35V (VR)
IC703
REEL MOTOR DRIVE
IC703 BA6219B
IC704
ASSIST MOTOR DRIVE
IC704 LB1641
Q808 2SB1375
R825 0.15 (1/4FR)
R817 4.7k
R816 4.7k
D816 1N4148M
Q809 2SC2603
D817 UZL-12M1
Q808.809 12V REG
Q807 2SC3402 POWER SWITCH
Q705 REEL MOTOR SWITCH
Q705 2SA1115
R722 15k
R721 10k
R723 1.5k
R724 5.6k
D705 1N4148M
R725 1.5k
R726 6.8k
R727 12k
Q706 2SA1115
D703 1N4148M
D704 1N4148M
Q706 ASSIST MOTOR SWITCH
R712 33k
R713 33k
R714 33k
R715 33k
R716 33k
R717 33k
R719 10k
R745 18k
R746 10k
Q717 2SA1348 CAL CONTROL
Q718 2SA1348 CAL CONTROL
R747 10k
R748 10k
Q710 POWER SWITCH
Q711 SIRCS SWITCH
D708 UZL-6L1
D709 UZL-6L1
R707 15k
C703 0.47 50V
R708 36k
R709 33k
R710 33k
Q709,714 RESET
Q710 2SC3402
Q711 2SA1345
R711 51k
CNE702
R704 220k
R706 220k
IC702 MC14069UBCP
C702 TYPE SWITCH
X101
R733 1M
IC701 M50941-750SP
Vss (GND)
XCO
XCI
XO
XI
RESET
Vss
SIRCS
POWER-IN
POWER-OUT
OPEN-SW
CLOSE-SW
HALF-SW
MD-UP
MD-DOWN
MD-REV
MD-FWD
MD+5V
MD3V
CAL H/L
CAL ON/OFF
BIAS
AMS.SIG
S.PULSE
T.PULSE
MECHA SW
METER-R
METER-L MONITOR
KEY5
KEY6
KEY7
Vref
AVcc
Vcc
PAT3
PAT2
PAT1
PAT0
-25V
FL-a
FL-b
FL-c
FL-d
FL-e
FL-f
FL-g
FL-h
FL-i
FL-j
FL-k
FL-l
FL-m
FL-G5
FL-G4
FL-G3
FL-G2
FL-G1
REC-MUTE
LINE-MUTE
C708 47 25V
R737 10k
R738 10k
R739 10k
R729 33k
R730 33k
R731 4.7k
C709 0.1 50V
C710 1.0
Q709 2SC2603
Q714 2SC2603
R732 1.0k
C707 220 10V (VR)
Q713 2SA1345 POWER SWITCH
R735 2.2k
D707 1N4148M
R799 100
Q707 2SA1348 REC MUTE
Q708 2SA1348 LINE MUTE
Q719 2SA1348 F SWITCH
Q720 2SA1348 TYPE I
Q721 2SA1348 TYPE II
Q722 2SA1348 TYPE IV
R752 100k
R753 100k
R754 100k
IC701 SYSTEM CONTROL
Q715 BA1L4M 2SC3399
Q716 BA1L4M 2SC3399
Q715,716 FL DRIVE
CN801
CN901
CN802
CN902
【FL BOARD】
D752 1N4148M
D751 1N4148M
R751 100k
R790 100k
R756 100k
R757 100k
R758 100k
R755 100k
R770 100k
S801 POWER
ON
OFF
FLT 751 FLUORESCENT INDICATOR TUBE
1G
2G
3G
4G
5G
S
FILTER
C
B
DOLBY NR
PLOP-IV
PLOP-I/II
REC CAL
TYPE
KEY7
KEY6
KEY5
S752
S753
S754
S755
S758
S756
S757
S760
S759
RESET
COUNTER
MEMORY
S701 TIMER
PLAY
OFF
REC
R759 2k
R760 2.7k
R761 5.6k
R762 11k
R764 30k
R743 2k
R749 20k
R750 30k
R746 2k
IC751
SBX1610-59
IC751 REMOTE CONTROL RECEIVER

13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23

IC801
VOL. REG.

Q803
7.5V REG

Q801.802
POWER SWITCH

TO MAIN BOARD (1/2) G
+7.5V
GND
-7.5V

Q804
-7.5V REG

Q805.806
5V REG

Q808.809
12V REG

Q807
2SC3402
POWER SWITCH

Q810.811
-24V REG

Q710
POWER SWITCH

Q711
SIRCS SWITCH

Q709,714
RESET

Q713
2SA1345
POWER SWITCH

[TRANSFORMER (1) BOARD]

PT901
POWER TRANSFORMER

CNE801

SCN801

[TRANSFORMER (2) BOARD]

CN701
AC IN

US,CANADIAN MODEL

※:NOT REPLACEABLE: BUILT IN TRANSFORMER

CN8801

CN903

KEY7
KEY6
KEY5
S752
S753
S754
S755
S758
S756
S757
S759
S760
RESET
COUNTER
MEMORY
S701
TIMER
PLAY
OFF
REC

IC751
SBX1610-59
REMOTE CONTROL RECEIVER

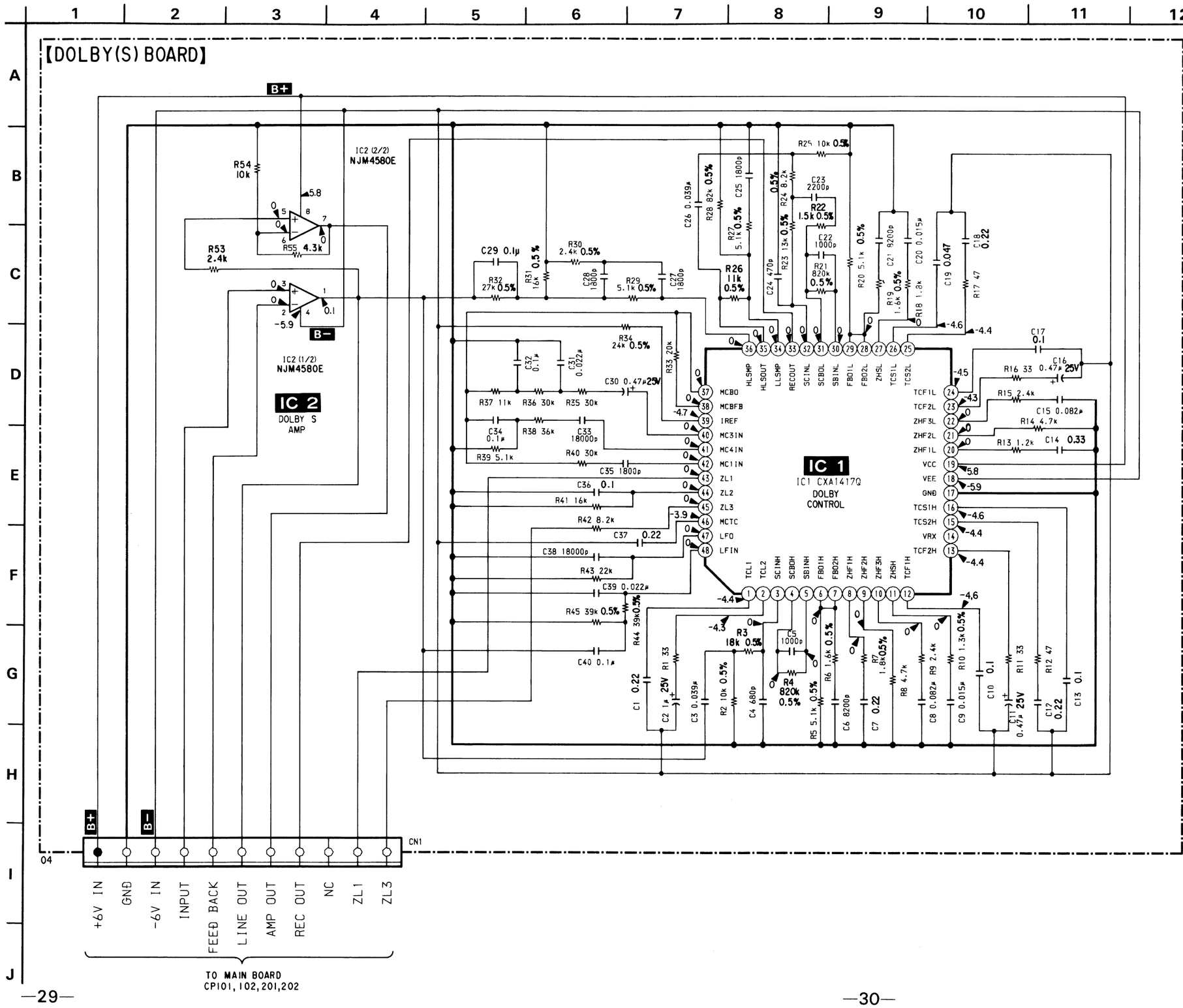
[PANEL BOARD (3/4)]
S751
S762
S763
MONITOR
CALIBRATION

120V
AC IN
E MODEL

CN701
AC IN
AEP,G MODEL
230V
240V
UK,AUS MODEL
AEP,UK,G,AUS MODEL

5-5. SCHEMATIC DIAGRAM—DOLBY S SECTION—

【DOLBY(S) BOARD】



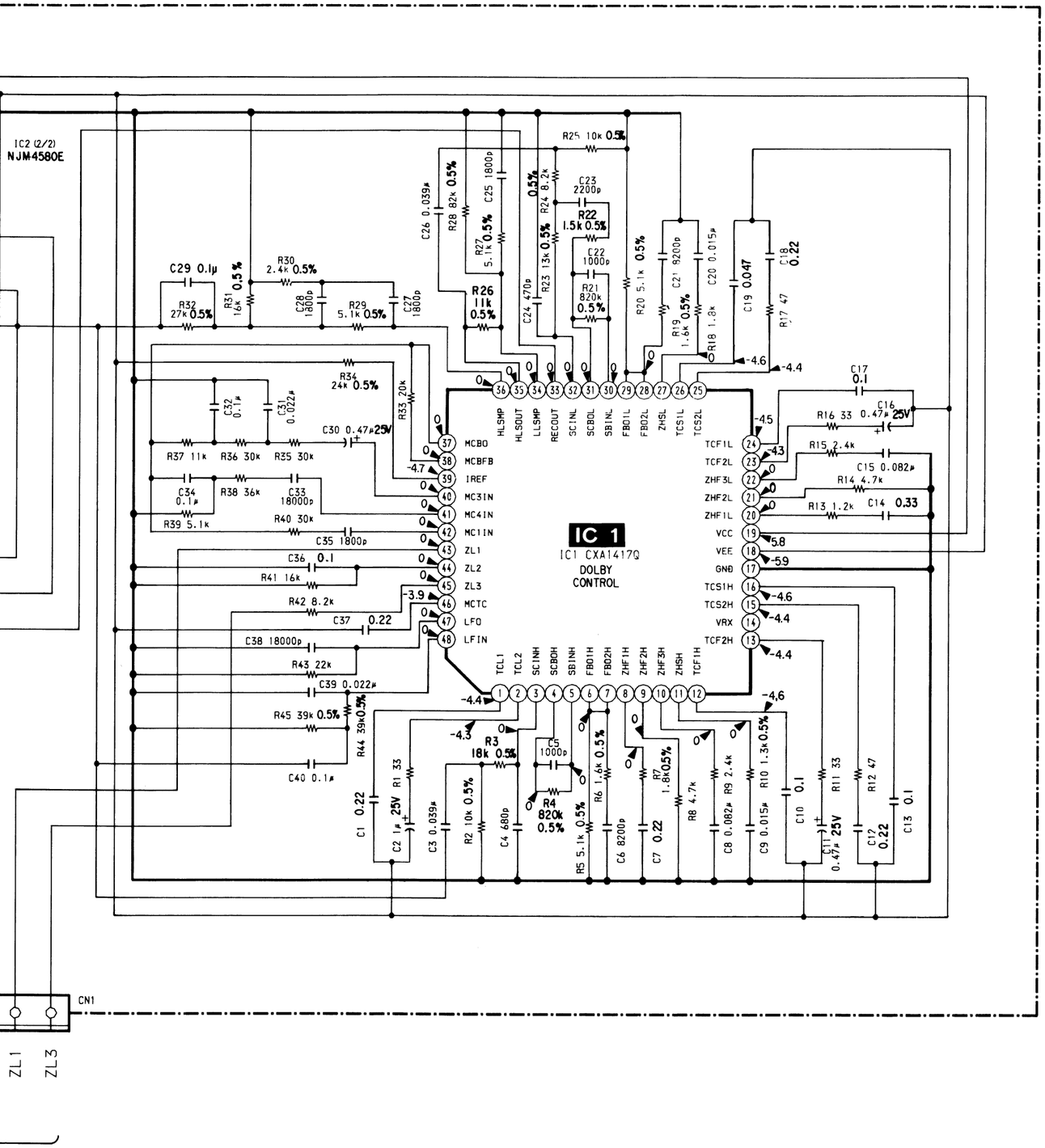
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- Voltage is dc with respect to ground under no-signal conditions.
  no mark : PB
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

5-6. PRIN

• Refer to

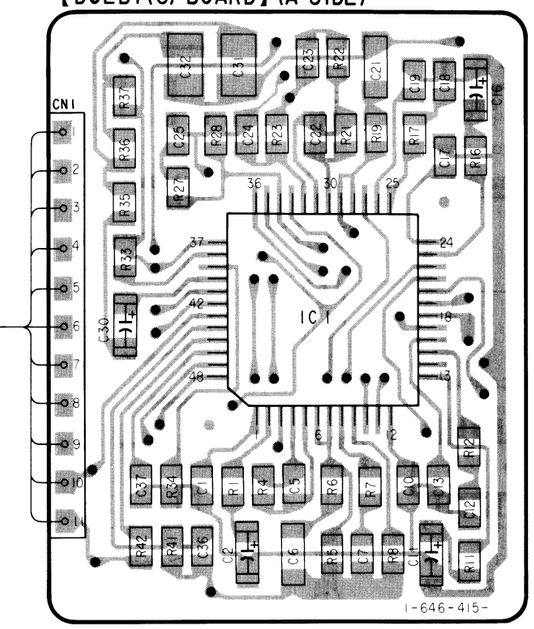
TO MAI
CP101,1



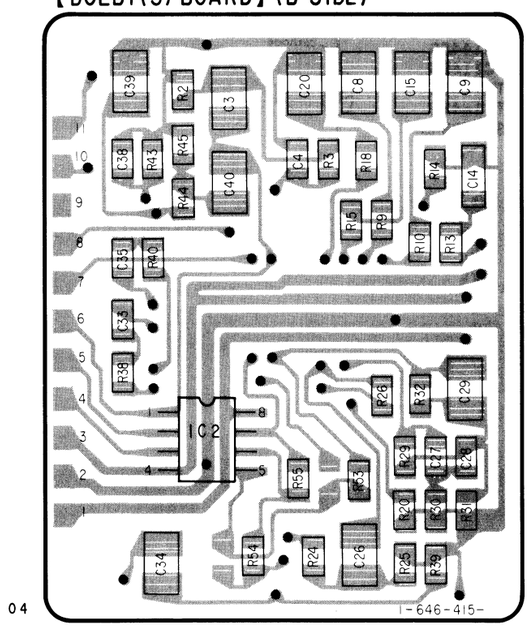
5-6. PRINTED WIRING BOARD—DOLBY S SECTION—

• Refer to page 32 for Semiconductor Lead Layouts.

【DOLBY(S) BOARD】(A SIDE)



【DOLBY(S) BOARD】(B SIDE)

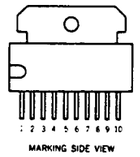


Note:

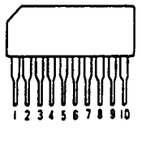
- ○—— : parts extracted from the component side.
- ● : Through hole.
- ▒▒ : Pattern on the side which is seen. (The other layers' patterns not indicated.)

5-7. SEMICONDUCTOR LEAD LAYOUTS

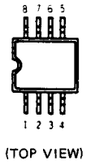
BA6219B



LB1641



NJM4580E-D



CXA1198AP

MC14066BCP

SBX1610-59

CXA1331S

M50941-728SP

TC4069UBP

CXA1417Q

M5218AL

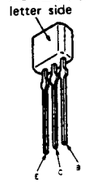
μPC1297CA

GP2S22B

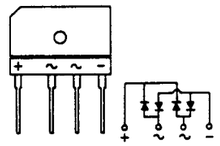
M5218AP
μPC4558C
μPC4570C-1

DTA114ES
DTA144ES
DTC114ES
DTC143TS
DTC144ES
2SC2603-EF

2SA1175-HFE
2SD1020-HFE
2SD2144S-UVW



RBA-402



2SB1094-LK
2SD2012

1N4148M
10E2N

21DQ05

2SB1116A-L
2SC945-P

HZS6A1L
SLF325C
UZL-7H1
UZL-7L2
UZL-12M1
1SS202-1

SECTION 6
EXPLODED VIEWS

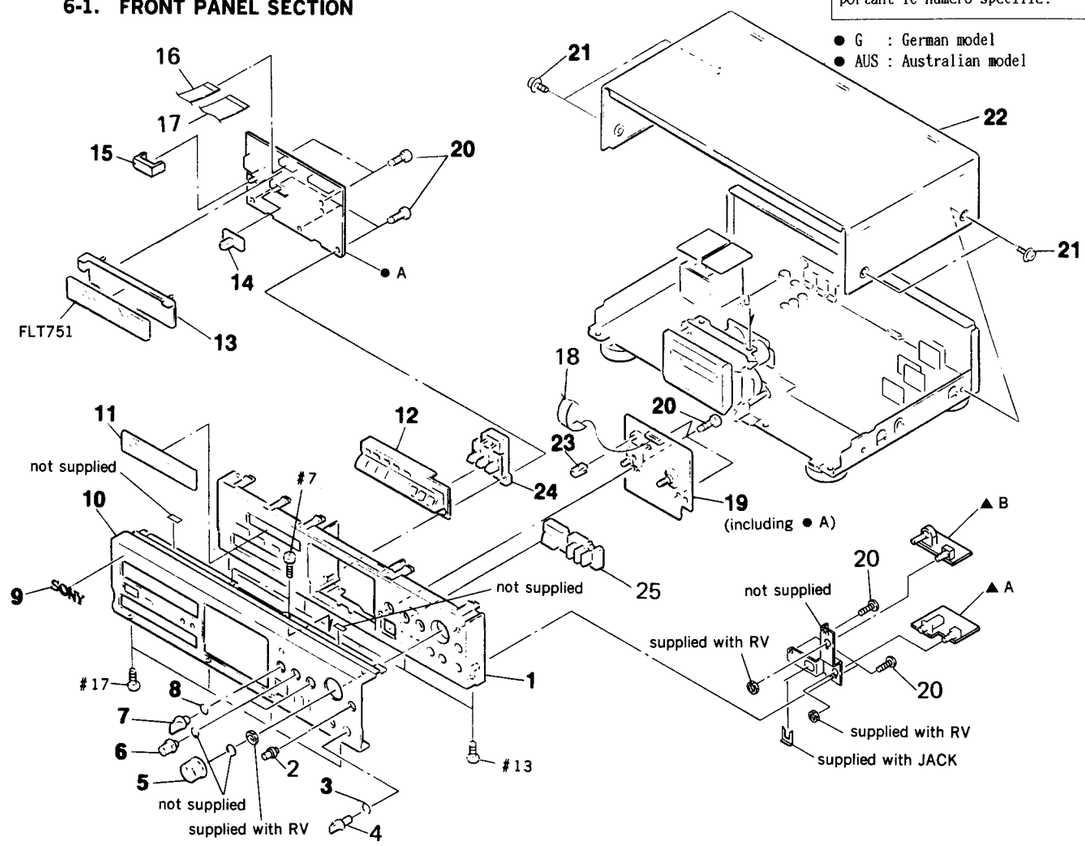
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- G : German model
- AUS : Australian model

6-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	3-386-253-01	PANEL (BASE)	
2	3-370-003-01	KNOB (BAL)	
3	3-370-186-01	SPRING (SWPA), RING	
4	3-350-495-01	KNOB (VOL)	
5	3-367-438-11	KNOB (REC)	
6	X-3365-387-1	KNOB (BAL) ASSY (B)	
7	4-908-097-21	KNOB	
8	3-350-440-01	SPRING	
9	4-942-568-01	EMBLEM (NO.5), SONY	
10	3-386-251-31	PANEL, FRONT (K707ES:US, Canadian)	
10	3-386-251-41	PANEL, FRONT (K707ES:E)	
10	3-386-251-51	PANEL, FRONT (K711S)	
10	3-386-251-61	PANEL, FRONT (K611S:US, Canadian)	
10	3-386-251-71	PANEL, FRONT (K611S:AEP, UK, G, AUS)	
10	3-386-251-81	PANEL, FRONT (K707ES:AUS)	
11	3-386-243-11	WINDOW (M)	
12	3-386-247-01	BUTTON (FW)	
* 13	3-386-245-01	HOLDER (FL)	
14	4-922-518-01	KNOB (TIMER)	
15	3-354-932-01	BUTTON (POWER)	
16	1-690-893-11	WIRE (FLAT TYPE) (19 CORE)	
17	1-751-258-11	WIRE (FLAT TYPE) (25 CORE)	
18	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	
* 19	A-2006-964-A	PANEL BOARD, COMPLETE	
20	4-951-620-01	SCREW (2.6X8), +BVTP	
21	3-704-366-01	SCREW (CASE) (M3X8)	
22	3-332-578-61	CASE	
23	3-380-952-01	BUTTON	
24	3-386-248-01	BUTTON (RE)	
25	3-386-249-01	BUTTON (EJ)	
FLT751	1-517-163-11	INDICATOR TUBE, FLUORESCENT	

6-2. CH

Ref.

51
51
52
52
52
52
* 53
* 54
* 54
* 54
* 54
* 54
* 55
* 56

SECTION 6
EXPLODED VIEWS

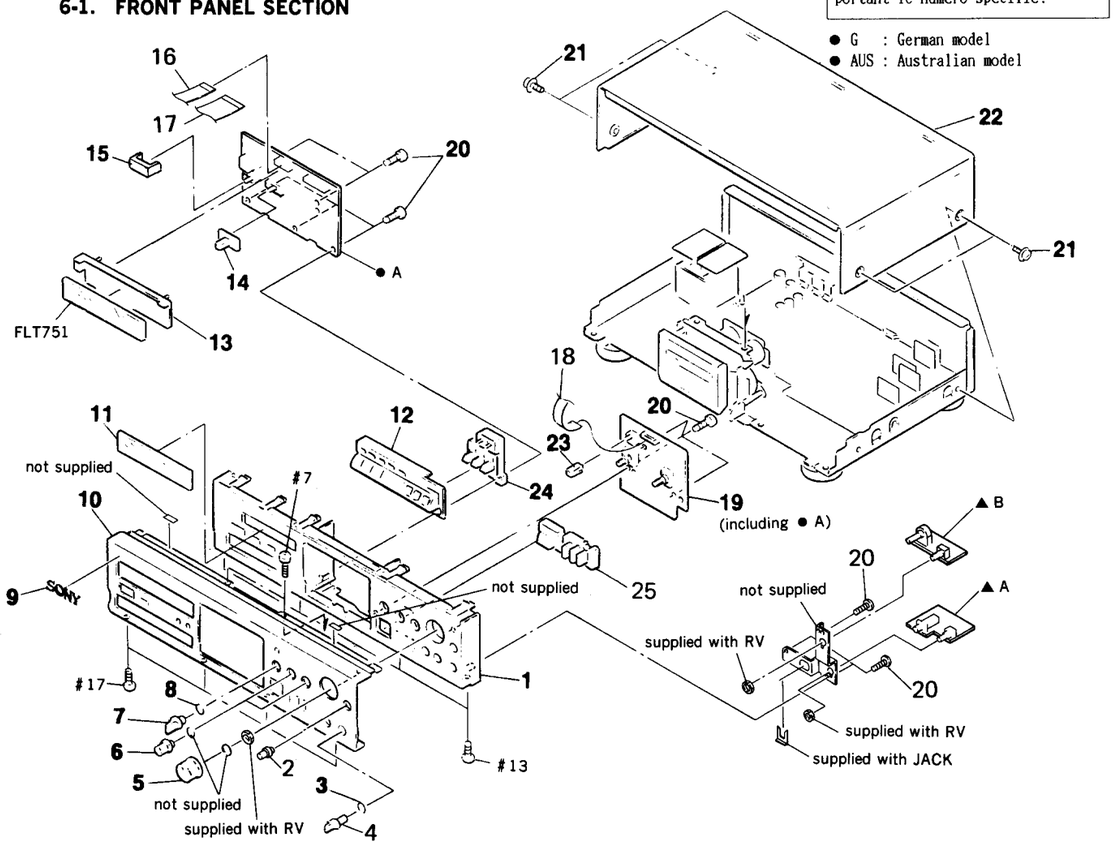
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

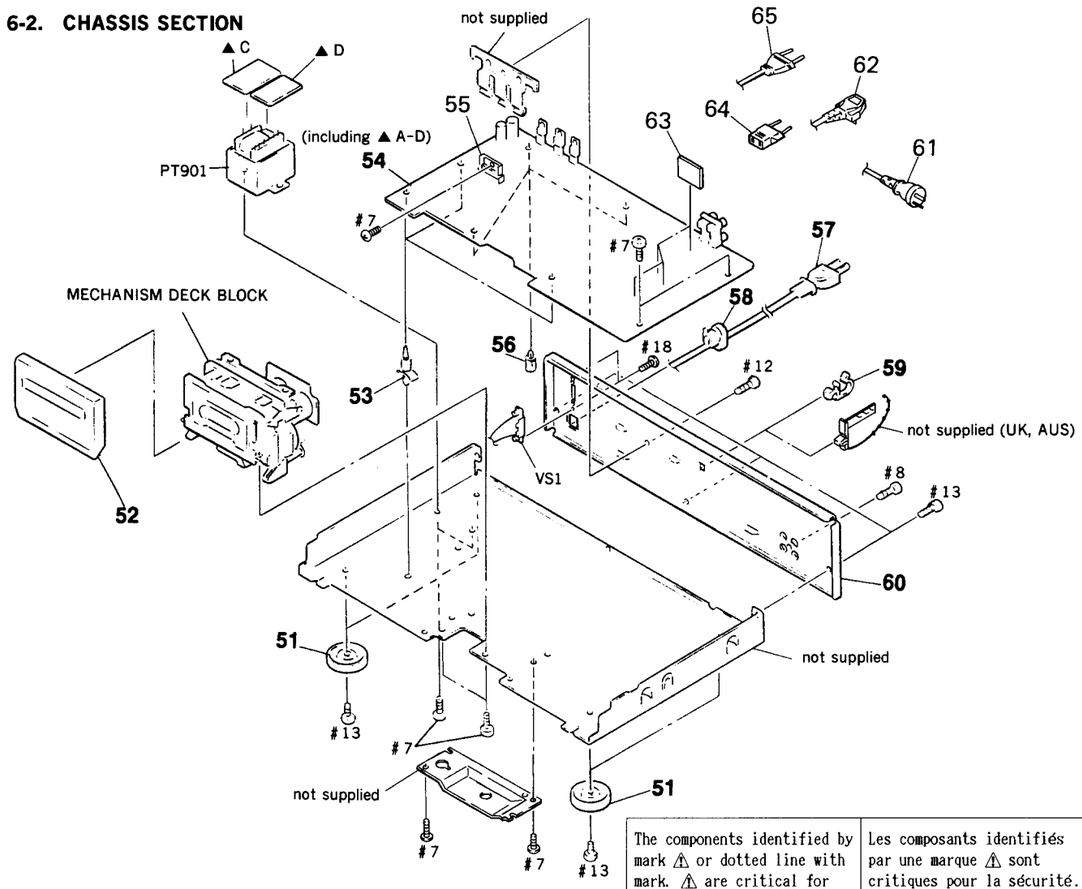
- G : German model
- AUS : Australian model

6-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	3-386-253-01	PANEL (BASE)	
2	3-370-003-01	KNOB (BAL)	
3	3-370-186-01	SPRING (SWPA), RING	
4	3-350-495-01	KNOB (VOL)	
5	3-367-438-11	KNOB (REC)	
6	X-3365-387-1	KNOB (BAL) ASSY (B)	
7	4-908-097-21	KNOB	
8	3-350-440-01	SPRING	
9	4-942-568-01	EMBLEM (NO.5), SONY	
10	3-386-251-31	PANEL, FRONT (K707ES:US, Canadian)	
10	3-386-251-41	PANEL, FRONT (K707ES:E)	
10	3-386-251-51	PANEL, FRONT (K711S)	
10	3-386-251-61	PANEL, FRONT (K611S:US, Canadian)	
10	3-386-251-71	PANEL, FRONT (K611S:AEP, UK, G, AUS)	
10	3-386-251-81	PANEL, FRONT (K707ES:AUS)	
11	3-386-243-11	WINDOW (M)	
12	3-386-247-01	BUTTON (FW)	
* 13	3-386-245-01	HOLDER (FL)	
14	4-922-518-01	KNOB (TIMER)	
15	3-354-932-01	BUTTON (POWER)	
16	1-690-893-11	WIRE (FLAT TYPE) (19 CORE)	
17	1-751-258-11	WIRE (FLAT TYPE) (25 CORE)	
18	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	
* 19	A-2006-964-A	PANEL BOARD, COMPLETE	
20	4-951-620-01	SCREW (2.6X8), +BVTP	
21	3-704-366-01	SCREW (CASE) (M3X8)	
22	3-332-578-61	CASE	
23	3-380-952-01	BUTTON	
24	3-386-248-01	BUTTON (RE)	
25	3-386-249-01	BUTTON (EJ)	
FLT751	1-517-163-11	INDICATOR TUBE, FLUORESCENT	

6-2. CHASSIS SECTION

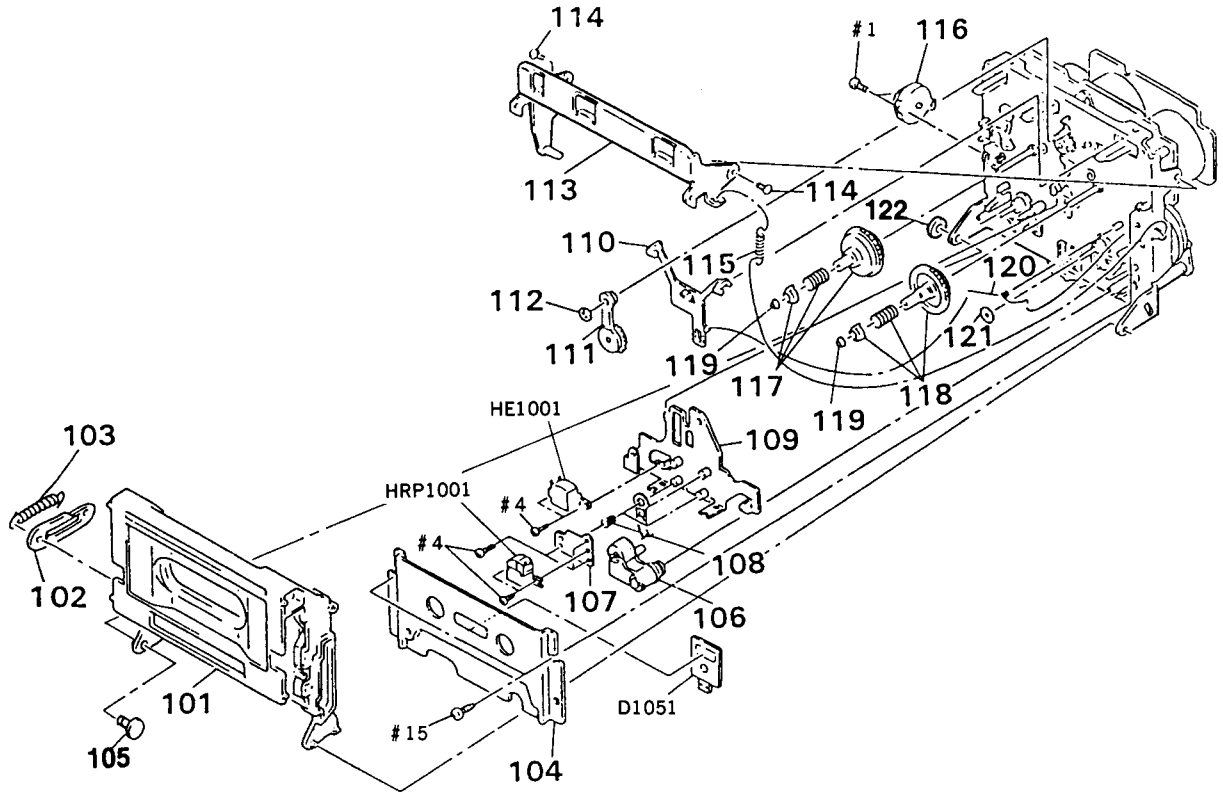


The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	4-943-148-32	FOOT (F58175SW) (K611S:US, Canadian)	
51	4-943-148-42	FOOT (F58175SW) (K707ES/K611S:AEP, UK, G, AUS)	
52	X-3366-167-1	LID ASSY, CASSETTE (K707ES:US, Canadian)	
52	X-3366-168-1	LID ASSY, CASSETTE (K711S)	
52	X-3366-169-1	LID ASSY, CASSETTE (K611S)	
52	X-3366-170-1	LID ASSY, CASSETTE (K707ES:E, AUS)	
* 53	3-346-265-11	HOLDER, PC BOARD	
* 54	A-2006-961-A	MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K707ES:US, Canadian)	
* 54	A-2006-962-A	MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K711S)	
* 54	A-2006-963-A	MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K611S:US, Canadian, AEP, G)	
* 54	A-2007-037-A	MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K707ES:AUS)	
* 54	A-2007-038-A	MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K611S:UK, AUS)	
* 54	A-2007-045-A	MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K707ES:E)	
* 55	3-356-925-01	HEAT SINK	
* 56	3-669-610-00	SPACER	
⚠57	1-551-188-XX	CORD, POWER (E)	
⚠57	1-558-945-21	CORD, POWER (POLAR. SPT-1) (US, Canadian)	
* 58	3-703-244-00	BUSHING (2104), CORD (AEP, UK, G, AUS)	
* 58	3-703-571-11	BUSHING (S) (4516), CORD (US, Canadian, E)	
* 59	4-949-235-01	FOOK (EXCEPT K707ES:AUS, K611S:UK, AUS)	
* 60	3-386-254-01	PANEL, BACK (K707ES:US, Canadian)	
* 60	3-386-254-11	PANEL, BACK (K707ES:E)	
* 60	3-386-254-21	PANEL, BACK (K707ES:AUS)	
* 60	3-386-254-31	PANEL, BACK (K711S)	
* 60	3-386-255-01	PANEL, BACK (K611S:US, Canadian)	
* 60	3-386-255-11	PANEL, BACK (K611S:AEP, G)	
* 60	3-386-255-21	PANEL, BACK (K611S:UK, AUS)	
⚠61	1-696-845-11	CORD, POWER (AUS)	
⚠62	1-696-586-11	CORD, POWER (UK)	
* 63	A-2006-954-A	DOLBY (S) BOARD, COMPLETE	
⚠64	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
⚠65	1-575-651-21	CORD, POWER (AEP, G)	
⚠PT901	1-423-475-11	TRANSFORMER, POWER (US, Canadian)	
⚠PT901	1-423-476-11	TRANSFORMER, POWER (AEP, UK, G, AUS)	
⚠PT901	1-423-533-11	TRANSFORMER, POWER (E)	
⚠VS1	1-692-155-11	SELECTOR, POWER VOLTAGE (VOLTAGE) (E)	

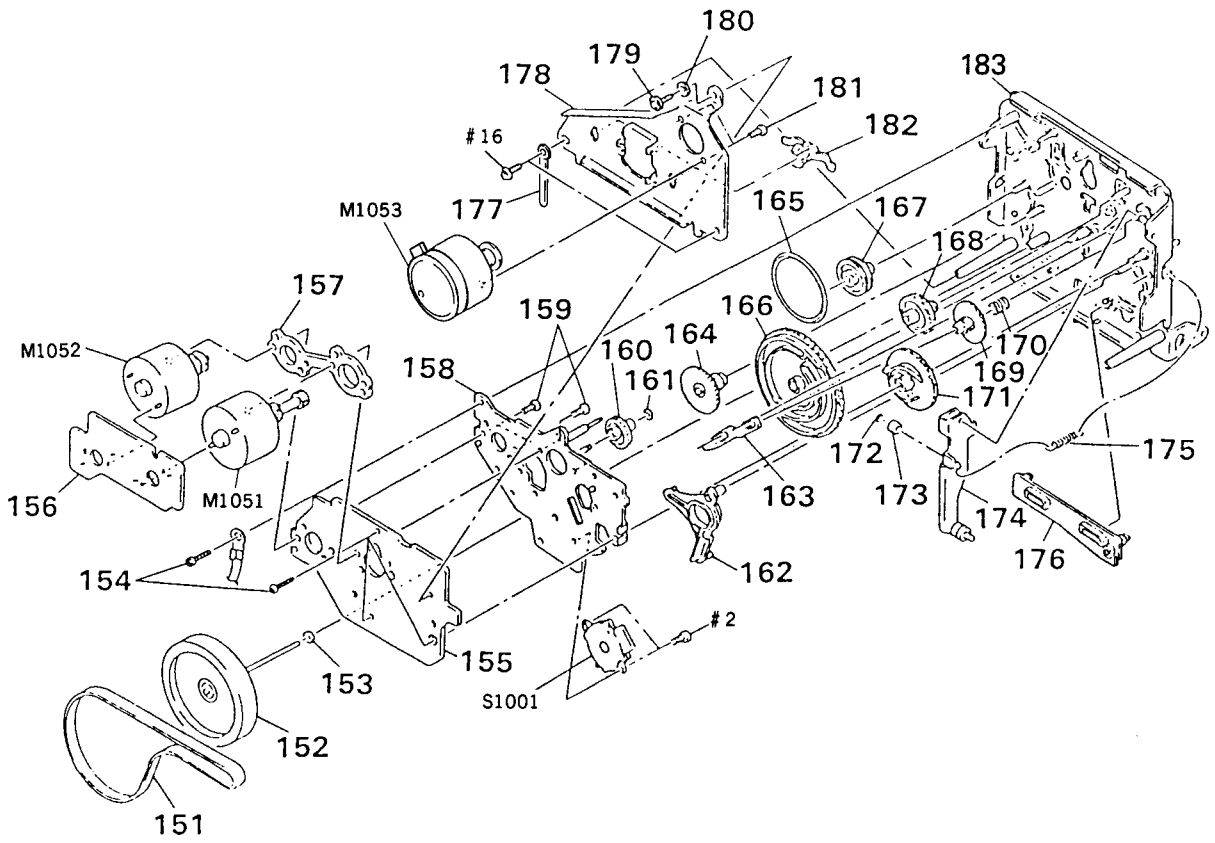
6-3. MECHANISM SECTION 1
(TCM-200V15 : TC-K611S)



Ref. No.	Part No.	Description	Remark
101	X-3365-299-1	HOLDER (CD-C) ASSY, CASSETTE	
* 102	3-356-717-01	LEVER (JOINT)	
103	3-356-626-01	SPRING, TENSION	
104	X-3356-613-1	PLATE ASSY, ORNAMENTAL	
105	3-378-341-01	SHAFT (L) (CASSETTE HOLDER)	
106	X-3356-649-1	LEVER (PINCH LEVER T) ASSY	
* 107	3-356-742-01	BRACKET (GUIDE R)	
108	3-356-659-01	SPRING (RPH), COMPRESSION	
109	X-3356-648-1	SLIDER (HEAD CHASSIS V2) ASSY	
110	3-356-614-01	SLIDER (BRAKE)	
111	X-3356-641-1	LEVER (FR2) ASSY	
112	3-669-465-11	WASHER (1.5), STOPPER	
* 113	X-3356-608-1	LEVER (LIFTER) ASSY	

Ref. No.	Part No.	Description	Remark
114	3-356-601-11	SCREW, STEP	
115	3-356-625-01	SPRING, TENSION	
116	3-712-786-01	DAMPER, OIL	
117	X-3356-628-1	GEAR (S) ASSY	
118	X-3356-627-1	GEAR (T) ASSY	
119	3-362-308-01	CAP (REEL)	
120	3-356-619-01	SPRING (B), TORSION	
121	3-356-713-01	WASHER	
122	3-558-708-21	WASHER, STOPPER	
D1051	8-719-980-85	DIODE SLF325C	
HE1001	1-543-673-11	HEAD, MAGNETIC (ERASE)	
HRP10011	-543-733-11	HEAD, MAGNETIC (RECORD/PLAYBACK)	

6-4. MECHANISM SECTION 2
(TCM-200V15 : TC-K611S)

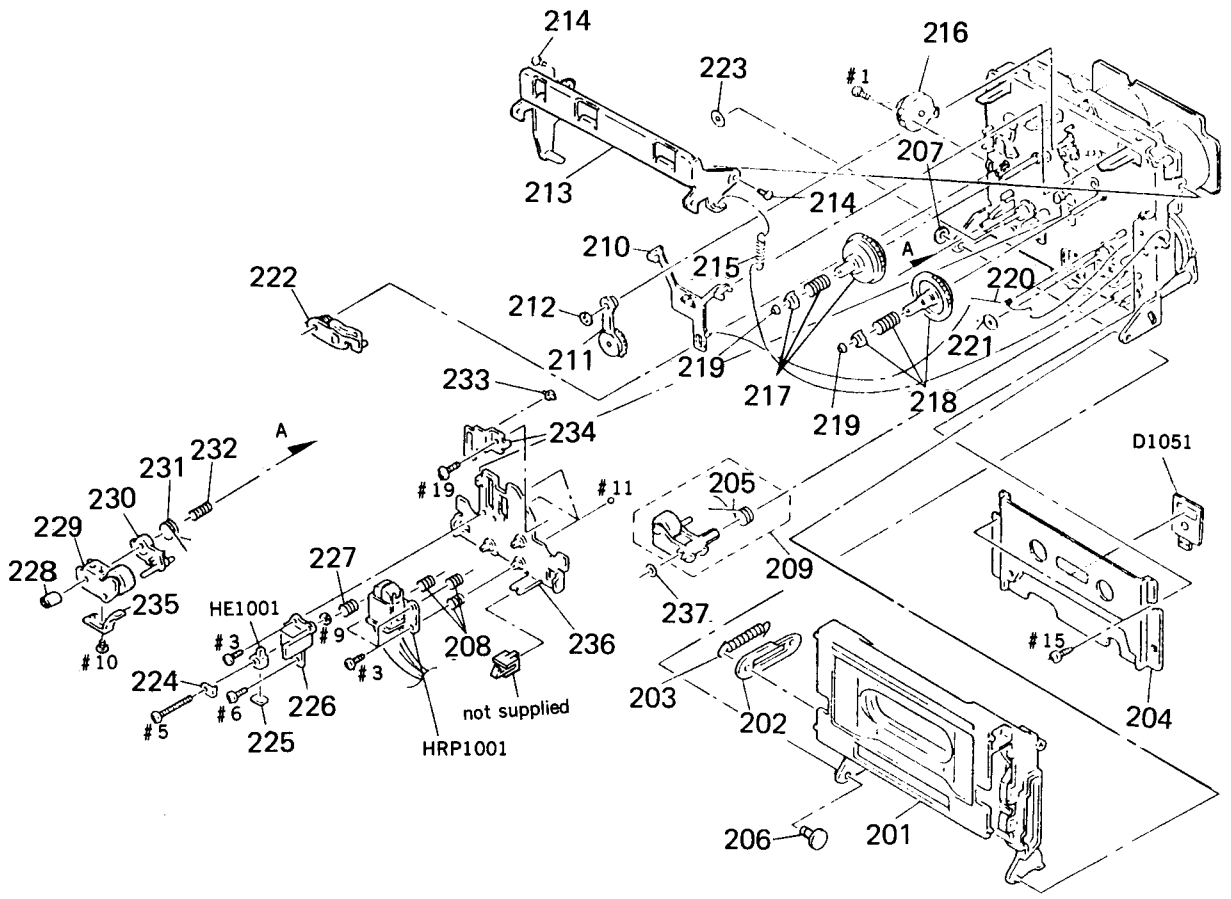


Ref. No.	Part No.	Description	Remark
151	3-356-744-01	BELT (CAPSTAN V)	
152	X-3356-642-1	FLYWHEEL (R FWD) ASSY	
153	3-356-705-01	WASHER (CAPSTAN)	
154	3-355-801-01	SCREW (BTP 2X18)	
* 155	1-632-740-11	MD BOARD	
* 156	1-632-741-11	REEL MOTOR BOARD	
* 157	3-356-628-01	SPACER (MOTOR)	
* 158	X-3356-602-1	BRACKET (MOTOR R) ASSY	
159	3-363-804-01	SCREW (+P 2.6X6.5)	
160	3-356-702-01	GEAR (COMMUNICATION B)	
161	3-669-465-00	WASHER (1.5), STOPPER	
162	3-356-613-01	LEVER (MODE)	
163	3-356-617-01	LEVER (SELECTION)	
164	3-356-606-01	GEAR (MODE)	
165	3-356-603-01	BELT (MODE)	
166	3-356-747-01	GEAR (MODE CAM C)	
167	3-356-607-01	PULLEY (MODE)	
168	3-356-703-01	GEAR (COMMUNICATION C)	
169	3-356-609-01	GEAR (LOADING)	

Ref. No.	Part No.	Description	Remark
170	3-356-605-01	SPRING, COMPRESSION	
171	3-356-616-01	GEAR (LOADING CAM)	
172	3-558-708-11	WASHER, STOPPER	
173	3-356-630-01	ROLLER (LOADING)	
* 174	X-3356-606-1	LEVER (LOADING) ASSY	
175	3-372-919-01	SPRING, TENSION	
176	3-356-653-01	SLIDER (PAUSE)	
177	3-703-150-11	STOPPER, WIRING	
* 178	3-356-629-01	BRACKET (THRUST RETAINER R)	
179	3-356-707-01	SCREW (+PTPWH 2X25)	
* 180	3-356-718-01	SPACER (THRUST RETAINER R)	
181	4-885-599-00	SCREW, FITTING, REINFORCEMENT	
182	3-575-321-00	RETAINER, THRUST, CAPSTAN	
183	X-3356-644-1	CHASSIS (V1) COMPLETE ASSY, MECH	
M1051	X-3356-638-1	MOTOR (REEL R) ASSY	
M1052	X-3356-604-1	MOTOR (ASSIST) ASSY	
M1053	X-3356-646-1	MOTOR (CAPSTAN V1) ASSY	
S1001	1-466-238-11	ENCODER, ROTARY	

MC-Service

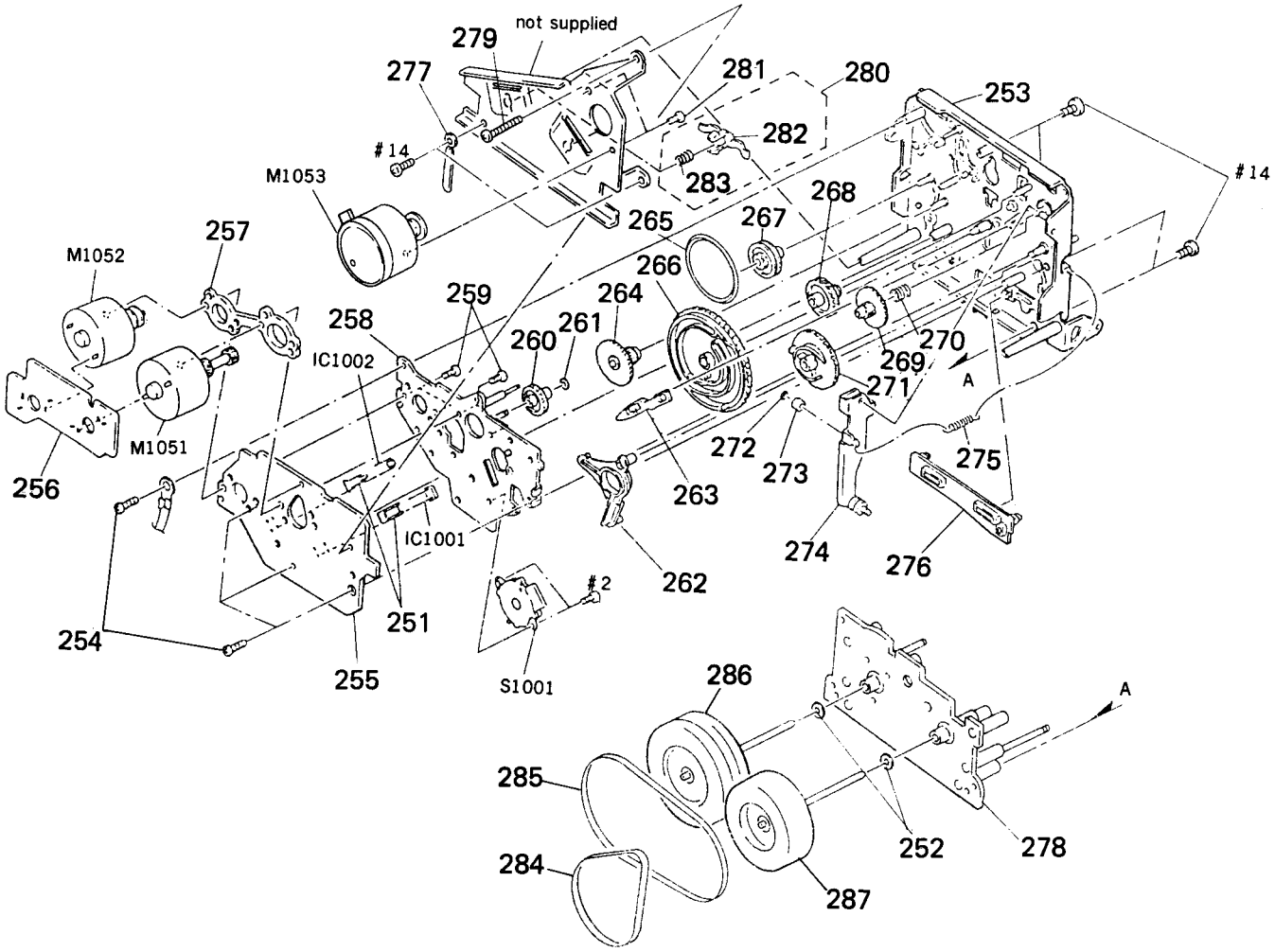
6-5. MECHANISM SECTION 3
(TCM-200V16 : TC-K707ES)
(TCM-200V17 : TC-K711S)



Ref. No.	Part No.	Description	Remark
201	X-3365-299-1	HOLDER (CD-C) ASSY, CASSETTE	
* 202	3-356-717-01	LEVER (JOINT)	
203	3-356-626-01	SPRING, TENSION	
204	X-3356-613-1	PLATE ASSY, ORNAMENTAL	
205	3-356-672-01	SPRING (PINCH LEVER T), TORSION	
206	3-378-341-01	SHAFT (L) (CASSETTE HOLDER)	
207	3-558-708-21	WASHER, STOPPER (K711S)	
208	3-356-659-01	SPRING (RPH), COMPRESSION	
209	X-3356-620-1	LEVER (PINCH LEVER T) ASSY	
210	3-356-614-01	SLIDER (BRAKE)	
211	X-3356-641-1	LEVER (FR2) ASSY	
212	3-669-465-11	WASHER (1.5), STOPPER	
* 213	X-3356-608-1	LEVER (LIFTER) ASSY	
214	3-356-601-11	SCREW, STEP	
215	3-356-625-01	SPRING, TENSION	
216	3-712-786-01	DAMPER, OIL	
217	X-3356-629-1	GEAR (S) ASSY	
218	X-3356-627-1	GEAR (T) ASSY	
219	3-362-308-01	CAP (REEL)	
220	3-356-619-01	SPRING (B), TORSION	
221	3-332-763-01	RING, OIL RESERVOIR	

Ref. No.	Part No.	Description	Remark
222	X-3356-623-1	LEVER (BT) ASSY	
223	3-356-713-01	WASHER	
224	3-318-433-01	SPRING	
* 225	1-608-268-00	ERASE HEAD BOARD	
* 226	3-576-977-00	BRACKET, E. HEAD	
227	3-564-121-00	SPRING, COMPRESSION	
228	3-356-652-01	NUT (PINCH LEVER S)	
229	X-3356-621-1	LEVER (PINCH LEVER S) ASSY	
230	3-356-660-01	LEVER (PS)	
231	3-356-661-01	SPRING (PINCH LEVER S), TORSION	
232	3-356-657-01	SPRING (PS), COMPRESSION	
233	3-367-775-01	ROLLER (HEAD CHASSIS)	
234	3-356-656-11	SPRING (HEAD PC BOARD), LEAF	
235	3-389-445-01	GUIDE (SL), TAPE	
* 236	X-3362-861-1	SLIDER (HEAD CHASSIS V4) ASSY	
237	3-669-596-00	WASHER (2.3), STOPPER	
D1051	8-719-980-85	DIODE SLF325C	
HE1001	1-543-836-11	HEAD, MAGNETIC (ERASE)	
HRP10011	-543-834-11	HEAD, MAGNETIC (REC/PB) (K711S)	
HRP10011	-543-835-11	HEAD, MAGNETIC (REC PB) (K707ES)	

6-6. MECHANISM SECTION 4
(TCM-200V16 : TC-K707ES)
(TCM-200V17 : TC-K711S)



Ref. No.	Part No.	Description	Remark
251	3-356-631-01	HOLDER (SENSOR)	
252	3-356-705-31	WASHER (CAPSTAN)	
* 253	X-3362-862-1	CHASSIS (V4) ASSY, MECHANICAL	
254	3-355-801-01	SCREW (BTP 2X18)	
* 255	1-632-740-11	MD BOARD	
* 256	1-632-741-11	REEL MOTOR BOARD	
* 257	3-356-628-01	SPACER (MOTOR)	
* 258	X-3356-616-1	BRACKET (MOTOR D) ASSY	
259	3-363-804-01	SCREW (+P 2.6X6.5)	
260	3-356-702-01	GEAR (COMMUNICATION B)	
261	3-669-465-00	WASHER (1.5), STOPPER	
262	3-356-613-01	LEVER (MODE)	
263	3-356-617-01	LEVER (SELECTION)	
264	3-356-606-01	GEAR (MODE)	
265	3-356-603-01	BELT (MODE)	
266	3-356-747-01	GEAR (MODE CAM C)	
267	3-356-607-01	PULLEY (MODE)	
268	3-356-703-01	GEAR (COMMUNICATION C)	
269	3-356-609-01	GEAR (LOADING)	
270	3-356-605-01	SPRING, COMPRESSION	
271	3-356-616-01	GEAR (LOADING CAM)	
272	3-558-708-11	WASHER, STOPPER	

Ref. No.	Part No.	Description	Remark
273	3-356-630-01	ROLLER (LOADING)	
* 274	X-3356-606-1	LEVER (LOADING) ASSY	
275	3-372-919-01	SPRING, TENSION	
276	3-356-653-01	SLIDER (PAUSE)	
277	3-703-150-11	STOPPER, WIRING	
* 278	X-3362-865-1	BRACKET (CAPSTAN BASE) ASSY	
279	3-356-707-01	SCREW (+PTPWH 2X25)	
280	X-3365-071-1	RETAINER (V4) ASSY, THRUST	
281	4-885-599-00	SCREW, FITTING, REINFORCEMENT	
282	3-575-321-00	RETAINER, THRUST, CAPSTAN	
283	3-379-310-01	SPRING, COMPRESSION	
284	3-367-774-01	BELT (CAPSTAN V4)	
285	3-364-600-01	BELT (CAPSTAN)	
286	X-3362-863-1	FLYWHEEL (VT) ASSY	
287	X-3362-864-1	FLYWHEEL (VS) ASSY	
IC1001	8-749-920-97	DIODE GP2SSSB	
IC1002	8-749-920-97	DIODE GP2S22B	
M1051	X-3356-638-1	MOTOR (REEL R) ASSY	
M1052	X-3356-604-1	MOTOR (ASSIST) ASSY	
M1053	X-3356-635-1	MOTOR (CAPSTAN R2) ASSY	
S1001	1-466-238-11	ENCODER, ROTARY	

SECTION 7
ELECTRICAL PARTS LIST

DOLBY (S)

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- G : German model
- AUS : Australian model

Ref.No.	Part No.	Description			Remark
*	A-2006-954-A	DOLBY (S) BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C2	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C3	1-104-558-91	FILM CHIP	0.039uF	5%	16V
C4	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C5	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C6	1-164-717-11	CERAMIC CHIP	0.0082uF	5%	50V
C7	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C8	1-104-562-11	FILM CHIP	0.082uF	5%	16V
C9	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C10	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C11	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C12	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C13	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C14	1-162-568-11	CERAMIC CHIP	0.33uF	10%	16V
C15	1-104-562-11	FILM CHIP	0.082uF	5%	16V
C16	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C17	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C18	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C19	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C20	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C21	1-164-717-11	CERAMIC CHIP	0.0082uF	5%	50V
C22	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C23	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C24	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C25	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C26	1-104-558-91	FILM CHIP	0.039uF	5%	16V
C27	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C28	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C29	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C30	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C31	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C32	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C33	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C34	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C35	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C36	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C37	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C38	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C39	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C40	1-104-563-11	FILM CHIP	0.1uF	5%	16V
		< CONNECTOR >			
* CN1	1-537-473-11	TERMINAL (LEAD PIN)			
		< IC >			
IC1	8-752-056-51	IC	CXA1417Q		
IC2	8-759-711-85	IC	NJM4580E-D		
		< RESISTOR >			
R1	1-216-013-00	METAL CHIP	33	5%	1/10W
R2	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R3	1-216-681-11	METAL CHIP	18K	0.5%	1/10W
R4	1-218-774-11	METAL CHIP	820K	0.50%	1/10W
R5	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R6	1-216-656-11	METAL CHIP	1.6K	0.5%	1/10W
R7	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W
R8	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R9	1-216-058-00	METAL GLAZE	2.4K	5%	1/10W
R10	1-216-654-11	METAL CHIP	1.3K	0.5%	1/10W
R11	1-216-013-00	METAL CHIP	33	5%	1/10W
R12	1-216-017-00	METAL CHIP	47	5%	1/10W
R13	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R14	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R15	1-216-058-00	METAL GLAZE	2.4K	5%	1/10W
R16	1-216-013-00	METAL CHIP	33	5%	1/10W
R17	1-216-017-00	METAL CHIP	47	5%	1/10W
R18	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R19	1-216-656-11	METAL CHIP	1.6K	0.5%	1/10W
R20	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R21	1-218-774-11	METAL CHIP	820K	0.50%	1/10W
R22	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R23	1-216-678-11	METAL CHIP	13K	0.5%	1/10W
R24	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R25	1-216-675-11	METAL CHIP	10K	0.5%	1/10W

DOLBY (S) MAIN

Ref. No.	Part No.	Description			Remark
R26	1-216-676-11	METAL CHIP	11K	0.5%	1/10W
R27	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R28	1-216-697-11	METAL CHIP	82K	0.5%	1/10W
R29	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R30	1-216-660-11	METAL CHIP	2.4K	0.5%	1/10W
R31	1-216-680-11	METAL CHIP	16K	0.5%	1/10W
R32	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R33	1-216-080-00	METAL CHIP	20K	5%	1/10W
R34	1-216-684-11	METAL CHIP	24K	0.5%	1/10W
R35	1-216-084-00	METAL CHIP	30K	5%	1/10W
R36	1-216-084-00	METAL CHIP	30K	5%	1/10W
R37	1-216-074-00	METAL CHIP	11K	5%	1/10W
R38	1-216-086-00	METAL GLAZE	36K	5%	1/10W
R39	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R40	1-216-084-00	METAL CHIP	30K	5%	1/10W
R41	1-216-078-00	METAL GLAZE	16K	5%	1/10W
R42	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R43	1-216-081-00	METAL CHIP	22K	5%	1/10W
R44	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R45	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R53	1-216-058-00	METAL GLAZE	2.4K	5%	1/10W
R54	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R55	1-216-666-11	METAL CHIP	4.3K	0.5%	1/10W

****

* A-2006-961-A MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K707ES:US, Canadian)

* A-2006-962-A MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K711S)

* A-2006-963-A MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K611:US, Canadian, AEP, G)

* A-2007-037-A MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K707ES:AUS)

* A-2007-038-A MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K611S:UK, AUS)

* A-2007-045-A MAIN BOARD, COMPLETE (INCLUDING DOLBY (S) BOARD) (K707ES:E)

****

* 3-356-925-01 HEAT SINK

7-685-871-01 SCREW +BVTT 3X6 (S)

< CAPACITOR >

C101	1-126-059-11	ELECT	10uF	20%	50V
C102	1-162-282-31	CERAMIC	100PF	10%	50V
C103	1-130-475-00	MYLAR	0.0022uF	5%	50V
C104	1-130-475-00	MYLAR	0.0022uF	5%	50V
C105	1-136-174-00	FILM	0.56uF	5%	50V
C106	1-136-171-00	FILM	0.33uF	5%	50V
C107	1-126-059-11	ELECT	10uF	20%	50V
C108	1-124-657-00	ELECT	10uF	20%	50V
C110	1-161-494-00	CERAMIC	0.022uF		25V
C111	1-124-907-11	ELECT	10uF	20%	50V
C112	1-124-916-11	ELECT	22uF	20%	63V
C113	1-124-907-11	ELECT	10uF	20%	50V
C121	1-110-335-11	MYLAR (K707ES)	100PF	5%	50V
C121	1-110-340-11	MYLAR (K711S, K611S)	270PF	5%	50V
C122	1-162-282-31	CERAMIC	100PF	10%	50V
C123	1-130-487-00	MYLAR	0.022uF	5%	50V
C124	1-124-657-00	ELECT	10uF	20%	50V
C125	1-130-488-00	MYLAR	0.027uF	5%	50V
C126	1-130-474-00	MYLAR	0.0018uF	5%	50V
C127	1-102-521-11	CERAMIC	43PF	5%	50V
C128	1-130-474-00	MYLAR	0.0018uF	5%	50V
C131	1-130-475-00	MYLAR	0.0022uF	5%	50V
C132	1-130-475-00	MYLAR	0.0022uF	5%	50V
C133	1-136-174-00	FILM	0.56uF	5%	50V
C134	1-136-171-00	FILM	0.33uF	5%	50V
C135	1-124-657-00	ELECT	10uF	20%	50V
C141	1-136-175-00	FILM	0.68uF	5%	50V
C142	1-126-059-11	ELECT	10uF	20%	50V
C143	1-126-059-11	ELECT	10uF	20%	50V
C144	1-110-338-51	MYLAR	180PF	5%	50V
C145	1-136-935-11	FILM	22PF	5%	630V
C146	1-130-475-00	MYLAR	0.0022uF	5%	50V
C161	1-124-925-11	ELECT	2.2uF	20%	100V
C162	1-124-907-11	ELECT	10uF	20%	50V
C163	1-124-916-11	ELECT	22uF	20%	63V
C164	1-124-907-11	ELECT	10uF	20%	50V
C181	1-136-153-00	FILM	0.01uF	5%	50V
C182	1-136-157-00	FILM	0.022uF	5%	50V
C183	1-136-161-00	FILM	0.047uF	5%	50V
C184	1-136-803-11	FILM	560PF	5%	630V
C185	1-136-433-11	FILM	100PF	5%	630V
C186	1-130-468-00	MYLAR	560PF	5%	50V
C201	1-126-059-11	ELECT	10uF	20%	50V
C202	1-162-282-31	CERAMIC	100PF	10%	50V
C203	1-130-475-00	MYLAR	0.0022uF	5%	50V
C204	1-130-475-00	MYLAR	0.0022uF	5%	50V
C205	1-136-174-00	FILM	0.56uF	5%	50V
C206	1-136-171-00	FILM	0.33uF	5%	50V
C207	1-126-059-11	ELECT	10uF	20%	50V
C208	1-124-657-00	ELECT	10uF	20%	50V
C210	1-161-494-00	CERAMIC	0.022uF		25V
C211	1-124-907-11	ELECT	10uF	20%	50V
C212	1-124-916-11	ELECT	22uF	20%	63V
C213	1-124-907-11	ELECT	10uF	20%	50V
C221	1-110-335-11	MYLAR (K707ES)	100PF	5%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C221	1-110-340-11	MYLAR (K711S, K611S)	270PF	5%	50V
C222	1-162-282-31	CERAMIC	100PF	10%	50V
C223	1-130-487-00	MYLAR	0.022uF	5%	50V
C224	1-124-657-00	ELECT	10uF	20%	50V
C225	1-130-488-00	MYLAR	0.027uF	5%	50V
C226	1-130-474-00	MYLAR	0.0018uF	5%	50V
C227	1-102-521-11	CERAMIC	43PF	5%	50V
C228	1-130-474-00	MYLAR	0.0018uF	5%	50V
C231	1-130-475-00	MYLAR	0.0022uF	5%	50V
C232	1-130-475-00	MYLAR	0.0022uF	5%	50V
C233	1-136-174-00	FILM	0.56uF	5%	50V
C234	1-136-171-00	FILM	0.33uF	5%	50V
C235	1-124-657-00	ELECT	10uF	20%	50V
C241	1-136-175-00	FILM	0.68uF	5%	50V
C242	1-126-059-11	ELECT	10uF	20%	50V
C243	1-126-059-11	ELECT	10uF	20%	50V
C244	1-110-338-51	MYLAR	180PF	5%	50V
C245	1-136-935-11	FILM	22PF	5%	630V
C246	1-130-475-00	MYLAR	0.0022uF	5%	50V
C261	1-124-925-11	ELECT	2.2uF	20%	100V
C262	1-124-907-11	ELECT	10uF	20%	50V
C263	1-124-916-11	ELECT	22uF	20%	63V
C264	1-124-907-11	ELECT	10uF	20%	50V
C281	1-136-153-00	FILM	0.01uF	5%	50V
C282	1-136-157-00	FILM	0.022uF	5%	50V
C283	1-136-161-00	FILM	0.047uF	5%	50V
C284	1-136-803-11	FILM	560PF	5%	630V
C285	1-136-433-11	FILM	100PF	5%	630V
C286	1-130-468-00	MYLAR	560PF	5%	50V
C501	1-126-022-11	ELECT	47uF	20%	25V
C502	1-126-022-11	ELECT	47uF	20%	25V
C503	1-130-478-00	MYLAR	0.0039uF	5%	50V
C504	1-136-164-00	FILM	0.082uF	5%	50V
C505	1-124-902-00	ELECT	0.47uF	20%	50V
C507-509	1-124-925-11	ELECT	2.2uF	20%	100V
C510	1-124-907-11	ELECT	10uF	20%	50V
C511	1-136-161-00	FILM	0.047uF	5%	50V
C521	1-124-994-11	ELECT	100uF	20%	10V
C522	1-124-994-11	ELECT	100uF	20%	10V
C531	1-126-022-11	ELECT	47uF	20%	25V
C532	1-126-022-11	ELECT	47uF	20%	25V
C534	1-124-903-11	ELECT	1uF	20%	50V
C535	1-124-907-11	ELECT	10uF	20%	50V
C536	1-124-907-11	ELECT	10uF	20%	50V
C542	1-124-907-11	ELECT	10uF	20%	50V
C543	1-124-907-11	ELECT	10uF	20%	50V
C563	1-162-217-31	CERAMIC	56PF	5%	50V
C564	1-136-157-00	FILM	0.022uF	5%	50V
C565	1-162-217-31	CERAMIC	56PF	5%	50V
C566	1-124-925-11	ELECT	2.2uF	20%	100V
C583	1-124-907-11	ELECT	10uF	20%	50V
C584	1-124-477-11	ELECT	47uF	20%	25V
C585	1-124-477-11	ELECT	47uF	20%	25V
C586	1-136-593-11	FILM (K707ES, K711S)	0.0033uF	5%	100V
C586	1-136-253-11	FILM (K611S)	0.0018uF	5%	100V
C587	1-136-593-11	FILM (K707ES, K711S)	0.0033uF	5%	100V
C587	1-136-253-11	FILM (K611S)	0.0018uF	5%	100V
C588	1-130-955-00	FILM (K707ES, K711S)	0.01uF	5%	100V
C588	1-136-233-11	FILM (K611S)	0.0047uF	5%	100V
C589	1-136-177-00	FILM	1uF	5%	50V
C590	1-124-907-11	ELECT	10uF	20%	50V
C591	1-107-045-00	MICA	3.9PF		500V
C592	1-136-559-11	FILM (K707ES, K711S)	0.0047uF	5%	630V
C592	1-136-558-11	FILM (K611S)	0.0039uF	5%	630V
C593	1-124-907-11	ELECT	10uF	20%	50V
C594	1-124-907-11	ELECT	10uF	20%	50V
C701	1-162-294-31	CERAMIC	0.001uF	10%	50V
C702	1-162-294-31	CERAMIC	0.001uF	10%	50V
C703	1-124-902-00	ELECT	0.47uF	20%	50V
C704	1-164-159-11	CERAMIC	0.1uF		50V
C705	1-164-159-11	CERAMIC	0.1uF		50V
C707	1-126-923-11	ELECT	220uF	20%	10V
C708	1-124-477-11	ELECT	47uF	20%	25V
C709	1-124-907-11	ELECT	10uF	20%	50V
C710-713	1-164-159-11	CERAMIC	0.1uF		50V
C803	1-124-556-11	ELECT	2200uF	20%	16V
C804	1-124-556-11	ELECT	2200uF	20%	16V
C806	1-124-477-11	ELECT	47uF	20%	25V
C808	1-124-999-11	ELECT	2200uF	20%	10V
C809	1-124-999-11	ELECT	2200uF	20%	10V
C810	1-124-907-11	ELECT	10uF	20%	50V
C811	1-126-936-11	ELECT	3300uF	20%	16V
C813	1-124-907-11	ELECT	10uF	20%	50V
C814	1-126-916-11	ELECT	1000uF	20%	6.3V
C815	1-124-564-11	ELECT	4700uF	20%	25V
C816	1-124-907-11	ELECT	10uF	20%	50V
C817	1-126-768-11	ELECT	2200uF	20%	16V
C818	1-124-122-11	ELECT	100uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C819	1-126-947-11	ELECT	47uF	20%	35V
C820	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
* CN521	1-568-830-11	SOCKET, CONNECTOR 11P			
* CN701	1-580-230-31	PIN, CONNECTOR (PC BOARD) 2P (EXCEPT E)			
* CN801	1-568-841-11	SOCKET, CONNECTOR 25P			
CN802	1-568-802-11	SOCKET, CONNECTOR 19P			
* CND512	1-564-339-00	PIN, CONNECTOR 5P			
* CND518	1-564-337-00	PIN, CONNECTOR 3P			
* CND801	1-564-337-61	PIN, CONNECTOR 3P			
* CNE501	1-564-521-11	PLUG, CONNECTOR 6P			
* CNE522	1-564-505-41	PLUG, CONNECTOR 2P (K707ES, K711S)			
* CNE701	1-564-506-11	PLUG, CONNECTOR 3P			
* CNE702	1-564-505-11	PLUG, CONNECTOR 2P			
* CNE801	1-564-513-11	PLUG, CONNECTOR 10P			
* CNN515	1-560-062-00	PIN, CONNECTOR 4P			
* CNN516	1-560-062-00	PIN, CONNECTOR 4P			
* CNN517	1-560-061-00	PIN, CONNECTOR 3P (K707ES, K711S)			
* CNN517	1-560-060-00	PIN, CONNECTOR 2P (K611S)			
* CNP513	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CNP514	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
		< DIODE >			
D101	8-719-987-63	DIODE	1N4148M		
D102	8-719-987-63	DIODE	1N4148M		
D201	8-719-987-63	DIODE	1N4148M		
D202	8-719-987-63	DIODE	1N4148M		
D501-517	8-719-987-63	DIODE	1N4148M		
D518-521	8-719-107-94	DIODE	1SS202-1		
D522	8-719-987-63	DIODE	1N4148M		
D701-707	8-719-987-63	DIODE	1N4148M		
D708	8-719-933-33	DIODE	HZS6A1L		
D709	8-719-933-33	DIODE	HZS6A1L		
D712-715	8-719-987-63	DIODE	1N4148M		
D718	8-719-987-63	DIODE	1N4148M		
D801-804	8-719-200-77	DIODE	10E2N		
D805	8-719-933-33	DIODE	HZS6A1L		
D806	8-719-933-33	DIODE	HZS6A1L		
D807	8-719-987-63	DIODE	1N4148M		
D812	8-719-987-63	DIODE	1N4148M		
D813	8-719-200-31	DIODE	21DQ05		
D814	8-719-000-78	DIODE	UZL-7L2		
D815	8-719-987-63	DIODE	1N4148M		
D816	8-719-987-63	DIODE	1N4148M		
D817	8-719-001-70	DIODE	UZL-12M1		
D818	8-719-200-77	DIODE	10E2N		
D819	8-719-200-77	DIODE	10E2N		
D820	8-719-000-93	DIODE	UZL-7H1		
D822	8-719-987-63	DIODE	1N4148M		
D823	8-719-312-09	DIODE	RBA-402		
		< IC >			
IC501	8-752-059-55	IC	CXA1331S		
IC502	8-759-000-49	IC	MC14066BCP		
IC503	8-752-060-64	IC	CXA1198AP		
IC504	8-759-106-56	IC	uPC1297CA		
IC505	8-759-111-44	IC	uPC4570C-1		
IC506	8-752-059-55	IC	CXA1331S		
IC507	8-759-634-51	IC	M5218AP		
IC508	8-759-145-58	IC	uPC4558C		
IC509	8-759-145-58	IC	uPC4558C		
IC510	8-759-634-50	IC	M5218AL		
IC511	8-759-000-49	IC	MC14066BCP		
IC512	8-759-000-49	IC	MC14066BCP		
IC701	8-759-060-83	IC	M50941-728SP		
IC702	8-759-240-69	IC	TC4069UBP		
IC703	8-759-973-95	IC	BA6219B		
IC704	8-759-822-09	IC	LB1641		
IC801	8-759-145-58	IC	uPC4558C		
		< JACK >			
J501	1-573-070-11	JACK, PIN 4P (LINE IN/OUT) (K707ES)			
J501	1-565-258-11	JACK, PIN 4P (LINE IN/OUT) (K711S, K611S)			
J502	1-507-796-71	JACK (HEADPHONES)			
		< COIL >			
L121	1-410-778-11	INDUCTOR	18mH		
L141	1-410-780-11	INDUCTOR	27mH		
L221	1-410-778-11	INDUCTOR	18mH		
L241	1-410-780-11	INDUCTOR	27mH		
		< FILTER >			
LPF101	1-239-599-11	FILTER, LOW PASS			
LPF201	1-239-599-11	FILTER, LOW PASS			
		< TRANSISTOR >			
Q101	8-729-142-25	TRANSISTOR	2SD1020-HFE		
Q102	8-729-142-25	TRANSISTOR	2SD1020-HFE		
Q103	8-729-900-74	TRANSISTOR	DTC143TS		
Q104	8-729-900-80	TRANSISTOR	DTC114ES		
Q201	8-729-142-25	TRANSISTOR	2SD1020-HFE		

Ref.No.	Part No.	Description		Remark
Q202	8-729-142-25	TRANSISTOR	2SD1020-HFE	
Q203	8-729-900-74	TRANSISTOR	DTC143TS	
Q204	8-729-900-80	TRANSISTOR	DTC114ES	
Q501	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q502	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q503	8-729-922-37	TRANSISTOR	2SD2144S-UVW	
Q504	8-729-900-80	TRANSISTOR	DTC114ES	
Q505	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q506	8-729-142-25	TRANSISTOR	2SD1020-HFE	
Q507	8-729-900-80	TRANSISTOR	DTC114ES	
Q508	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q509	8-729-900-80	TRANSISTOR	DTC114ES	
Q510	8-729-900-80	TRANSISTOR	DTC114ES	
Q511	8-729-194-57	TRANSISTOR	2SC945-P	
Q512	8-729-194-57	TRANSISTOR	2SC945-P	
Q513-517				
	8-729-900-80	TRANSISTOR	DTC114ES	
Q518	8-729-900-89	TRANSISTOR	DTC144ES	
Q519	8-729-900-89	TRANSISTOR	DTC144ES	
Q701-708				
	8-729-900-61	TRANSISTOR	DTA114ES	
Q709	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q710	8-729-900-80	TRANSISTOR	DTC114ES	
Q711	8-729-900-65	TRANSISTOR	DTA144ES	
Q712	8-729-900-80	TRANSISTOR	DTC114ES	
Q713	8-729-900-65	TRANSISTOR	DTA144ES	
Q714	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q715	8-729-900-89	TRANSISTOR	DTC144ES	
Q716	8-729-900-89	TRANSISTOR	DTC144ES	
Q717-722				
	8-729-900-61	TRANSISTOR	DTA114ES	
Q723	8-729-900-65	TRANSISTOR	DTA144ES	
Q724	8-729-900-65	TRANSISTOR	DTA144ES	
Q725	8-729-900-80	TRANSISTOR	DTC114ES	
Q726	8-729-900-65	TRANSISTOR	DTA144ES	
Q727	8-729-900-65	TRANSISTOR	DTA144ES	
Q729	8-729-900-61	TRANSISTOR	DTA114ES	
Q801	8-729-900-61	TRANSISTOR	DTA114ES	
Q802	8-729-900-80	TRANSISTOR	DTC114ES	
Q803	8-729-141-83	TRANSISTOR	2SB1094-LK	
Q804	8-729-209-15	TRANSISTOR	2SD2012	
Q805	8-729-209-15	TRANSISTOR	2SD2012	
Q806	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q807	8-729-900-80	TRANSISTOR	DTC114ES	
Q808	8-729-141-83	TRANSISTOR	2SB1094-LK	
Q809	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q810	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q811	8-729-140-04	TRANSISTOR	2SB1116A-L	

Ref.No.	Part No.	Description				Remark
		< RESISTOR >				
R101	1-259-460-11	CARBON	22K	5%	1/6W	
R104	1-259-440-11	CARBON	3.3K	5%	1/6W	
R105	1-259-450-11	CARBON	8.2K	5%	1/6W	
R106	1-259-461-11	CARBON	24K	5%	1/6W	
R107	1-259-422-11	CARBON	560	5%	1/6W	
R109	1-259-436-11	CARBON	2.2K	5%	1/6W	
R110	1-259-436-11	CARBON	2.2K	5%	1/6W	
R111	1-259-467-11	CARBON	43K	5%	1/6W	
R112	1-259-428-11	CARBON	1K	5%	1/6W	
R113	1-259-476-11	CARBON	100K	5%	1/6W	
R115	1-259-436-11	CARBON	2.2K	5%	1/6W	
R116	1-259-452-11	CARBON	10K	5%	1/6W	
R117	1-259-452-11	CARBON	10K	5%	1/6W	
R118	1-259-447-11	CARBON	6.2K	5%	1/6W	
R119	1-259-456-11	CARBON	15K	5%	1/6W	
R120	1-259-468-11	CARBON	47K	5%	1/6W	
R121	1-259-466-11	CARBON (K707ES)	39K	5%	1/6W	
R121	1-259-476-11	CARBON (K711S, K611S)	100K	5%	1/6W	
R122	1-259-402-11	CARBON	82	5%	1/6W	
R123	1-259-479-11	CARBON	130K	5%	1/6W	
R124	1-259-446-11	CARBON	5.6K	5%	1/6W	
R125	1-259-434-11	CARBON	1.8K	5%	1/6W	
R126	1-259-435-11	CARBON	2K	5%	1/6W	
R127	1-259-484-11	CARBON	220K	5%	1/6W	
R134	1-259-461-11	CARBON	24K	5%	1/6W	
R135	1-259-422-11	CARBON	560	5%	1/6W	
R142	1-259-442-11	CARBON	3.9K	5%	1/6W	
R143	1-259-440-11	CARBON	3.3K	5%	1/6W	
R144	1-259-452-11	CARBON	10K	5%	1/6W	
R145	1-259-436-11	CARBON	2.2K	5%	1/6W	
R146	1-259-444-11	CARBON	4.7K	5%	1/6W	
R147	1-259-444-11	CARBON	4.7K	5%	1/6W	
R148	1-259-484-11	CARBON	220K	5%	1/6W	
R151	1-259-460-11	CARBON	22K	5%	1/6W	
R152	1-259-436-11	CARBON	2.2K	5%	1/6W	
R153	1-259-459-11	CARBON	20K	5%	1/6W	
R154	1-259-412-11	CARBON	220	5%	1/6W	
R161	1-259-462-11	CARBON	27K	5%	1/6W	
R162	1-259-471-11	CARBON	62K	5%	1/6W	
R163	1-259-414-11	CARBON	270	5%	1/6W	
R164	1-259-456-11	CARBON	15K	5%	1/6W	
R165	1-259-431-11	CARBON	1.3K	5%	1/6W	
R166	1-259-436-11	CARBON	2.2K	5%	1/6W	
R167	1-259-458-11	CARBON	18K	5%	1/6W	
R168	1-259-468-11	CARBON	47K	5%	1/6W	

MAIN

Ref. No.	Part No.	Description			Remark
R181	1-259-450-11	CARBON (K707ES)	8.2K	5% 1/6W	
R181	1-259-446-11	CARBON (K711S, K611S)	5.6K	5% 1/6W	
R182	1-259-464-11	CARBON	33K	5% 1/6W	
⚠R183	1-219-153-11	FUSIBLE	10	5% 1/4W	F
R184	1-247-883-00	CARBON	150K	5% 1/4W	
R201	1-259-460-11	CARBON	22K	5% 1/6W	
R204	1-259-440-11	CARBON	3.3K	5% 1/6W	
R205	1-259-450-11	CARBON	8.2K	5% 1/6W	
R206	1-259-461-11	CARBON	24K	5% 1/6W	
R207	1-259-422-11	CARBON	560	5% 1/6W	
R209	1-259-436-11	CARBON	2.2K	5% 1/6W	
R210	1-259-436-11	CARBON	2.2K	5% 1/6W	
R211	1-259-467-11	CARBON	43K	5% 1/6W	
R212	1-259-428-11	CARBON	1K	5% 1/6W	
R213	1-259-476-11	CARBON	100K	5% 1/6W	
R215	1-259-436-11	CARBON	2.2K	5% 1/6W	
R216	1-259-452-11	CARBON	10K	5% 1/6W	
R217	1-259-452-11	CARBON	10K	5% 1/6W	
R218	1-259-447-11	CARBON	6.2K	5% 1/6W	
R219	1-259-456-11	CARBON	15K	5% 1/6W	
R220	1-259-468-11	CARBON	47K	5% 1/6W	
R221	1-259-466-11	CARBON (K707ES)	39K	5% 1/6W	
R221	1-259-476-11	CARBON (K711S, K611S)	100K	5% 1/6W	
R222	1-259-402-11	CARBON	82	5% 1/6W	
R223	1-259-479-11	CARBON	130K	5% 1/6W	
R224	1-259-446-11	CARBON	5.6K	5% 1/6W	
R225	1-259-434-11	CARBON	1.8K	5% 1/6W	
R226	1-259-435-11	CARBON	2K	5% 1/6W	
R227	1-259-484-11	CARBON	220K	5% 1/6W	
R234	1-259-461-11	CARBON	24K	5% 1/6W	
R235	1-259-422-11	CARBON	560	5% 1/6W	
R242	1-259-442-11	CARBON	3.9K	5% 1/6W	
R243	1-259-440-11	CARBON	3.3K	5% 1/6W	
R244	1-259-452-11	CARBON	10K	5% 1/6W	
R245	1-259-436-11	CARBON	2.2K	5% 1/6W	
R246	1-259-444-11	CARBON	4.7K	5% 1/6W	
R247	1-259-444-11	CARBON	4.7K	5% 1/6W	
R248	1-259-484-11	CARBON	220K	5% 1/6W	
R251	1-259-460-11	CARBON	22K	5% 1/6W	
R252	1-259-436-11	CARBON	2.2K	5% 1/6W	
R253	1-259-459-11	CARBON	20K	5% 1/6W	
R254	1-259-412-11	CARBON	220	5% 1/6W	
R261	1-259-462-11	CARBON	27K	5% 1/6W	
R262	1-259-471-11	CARBON	62K	5% 1/6W	
R263	1-259-414-11	CARBON	270	5% 1/6W	

Ref. No.	Part No.	Description			Remark
R264	1-259-456-11	CARBON	15K	5% 1/6W	
R265	1-259-431-11	CARBON	1.3K	5% 1/6W	
R266	1-259-436-11	CARBON	2.2K	5% 1/6W	
R267	1-259-458-11	CARBON	18K	5% 1/6W	
R268	1-259-468-11	CARBON	47K	5% 1/6W	
R281	1-259-450-11	CARBON (K707ES)	8.2K	5% 1/6W	
R281	1-259-446-11	CARBON (K711S, K611S)	5.6K	5% 1/6W	
R282	1-259-464-11	CARBON	33K	5% 1/6W	
⚠R283	1-219-153-11	FUSIBLE	10	5% 1/4W	F
R284	1-247-883-00	CARBON	150K	5% 1/4W	
R501	1-249-417-11	CARBON	1K	5% 1/4W	F
R502	1-215-455-00	METAL	27K	1% 1/6W	
R504	1-249-413-11	CARBON (K611S)	470	5% 1/4W	F
R505	1-249-427-11	CARBON	6.8K	5% 1/4W	F
R506	1-249-381-11	CARBON (K707ES, K711S)	1	5% 1/4W	F
R507	1-247-848-11	CARBON	5.1K	5% 1/4W	
R508	1-249-433-11	CARBON	22K	5% 1/4W	
R509	1-249-436-11	CARBON	39K	5% 1/4W	
R510	1-249-421-11	CARBON	2.2K	5% 1/4W	F
R511	1-249-421-11	CARBON	2.2K	5% 1/4W	F
R512	1-249-441-11	CARBON	100K	5% 1/4W	
R513	1-249-441-11	CARBON	100K	5% 1/4W	
R514	1-247-836-11	CARBON	1.6K	5% 1/4W	
R516	1-249-437-11	CARBON	47K	5% 1/4W	
R517	1-249-433-11	CARBON	22K	5% 1/4W	
R518	1-249-427-11	CARBON	6.8K	5% 1/4W	F
R519	1-249-437-11	CARBON	47K	5% 1/4W	
R520	1-249-434-11	CARBON	27K	5% 1/4W	
R521	1-247-704-11	CARBON	220	5% 1/4W	
R522	1-247-704-11	CARBON	220	5% 1/4W	
R523-525	1-249-429-11	CARBON	10K	5% 1/4W	
R526	1-249-422-11	CARBON	2.7K	5% 1/4W	F
R527	1-249-437-11	CARBON	47K	5% 1/4W	
R528	1-249-441-11	CARBON	100K	5% 1/4W	
R529	1-249-431-11	CARBON	15K	5% 1/4W	
R531	1-249-417-11	CARBON	1K	5% 1/4W	F
R532	1-215-455-00	METAL	27K	1% 1/6W	
R533	1-249-437-11	CARBON	47K	5% 1/4W	
R534	1-249-441-11	CARBON	100K	5% 1/4W	
R535	1-215-454-00	METAL	24K	1% 1/6W	
R563	1-249-441-11	CARBON	100K	5% 1/4W	
R564	1-249-429-11	CARBON	10K	5% 1/4W	
R565	1-249-441-11	CARBON	100K	5% 1/4W	
R566	1-249-428-11	CARBON	8.2K	5% 1/4W	F
R567	1-249-441-11	CARBON	100K	5% 1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remark
R568	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R569	1-249-441-11	CARBON	100K	5%	1/4W	
R570	1-249-429-11	CARBON	10K	5%	1/4W	
R571	1-249-429-11	CARBON	10K	5%	1/4W	
R572	1-249-417-11	CARBON	1K	5%	1/4W	F
R581	1-249-429-11	CARBON	10K	5%	1/4W	
R582	1-249-429-11	CARBON	10K	5%	1/4W	
R583	1-249-414-11	CARBON (K707ES)	560	5%	1/4W	F
R583	1-247-822-11	CARBON (K711S, K611S)	430	5%	1/4W	
R584	1-249-417-11	CARBON	1K	5%	1/4W	F
R585	1-249-433-11	CARBON (K707ES)	22K	5%	1/4W	
R585	1-247-862-11	CARBON (K711S, K611S)	20K	5%	1/4W	
R586	1-249-417-11	CARBON	1K	5%	1/4W	F
R587	1-249-436-11	CARBON (K707ES, K711S)	39K	5%	1/4W	
R587	1-249-440-11	CARBON	82K	5%	1/4W	(K611S)
R588	1-249-436-11	CARBON (K707ES, K711S)	39K	5%	1/4W	
R588	1-249-440-11	CARBON	82K	5%	1/4W	(K611S)
R589	1-249-391-11	CARBON (K707ES, K711S)	6.8	5%	1/4W	F
R589	1-249-390-11	CARBON (K611S)	5.6	5%	1/6W	F
R590	1-249-391-11	CARBON (K707ES, K711S)	6.8	5%	1/4W	F
R590	1-249-390-11	CARBON (K611S)	5.6	5%	1/6W	F
R591	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R593	1-249-435-11	CARBON	33K	5%	1/4W	
R594	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R601	1-247-878-00	CARBON (K707ES)	91K	5%	1/4W	
R601	1-249-439-11	CARBON (K711S, K611S)	68K	5%	1/4W	
R602	1-249-435-11	CARBON	33K	5%	1/4W	
R603	1-247-878-00	CARBON (K707ES)	91K	5%	1/4W	
R603	1-249-437-11	CARBON (K711S, K611S)	47K	5%	1/4W	
R604	1-247-876-11	CARBON (K707ES)	75K	5%	1/4W	
R604	1-247-874-11	CARBON (K711S, K611S)	62K	5%	1/4W	
R605	1-249-439-11	CARBON (K707ES)	68K	5%	1/4W	
R605	1-249-441-11	CARBON (K711S, K611S)	100K	5%	1/4W	
R606	1-249-433-11	CARBON	22K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R607	1-247-874-11	CARBON	62K	5%	1/4W	
R608	1-249-437-11	CARBON	47K	5%	1/4W	
R609	1-247-882-11	CARBON (K707ES)	130K	5%	1/4W	
R609	1-247-880-11	CARBON (K711S, K611S)	110K	5%	1/4W	
R610	1-247-876-11	CARBON (K707ES)	75K	5%	1/4W	
R610	1-247-878-00	CARBON (K711S, K611S)	91K	5%	1/4W	
R611	1-249-438-11	CARBON (K707ES)	56K	5%	1/4W	
R611	1-249-439-11	CARBON (K711S, K611S)	68K	5%	1/4W	
R612	1-247-887-00	CARBON	220K	5%	1/4W	
R613	1-247-876-11	CARBON (K707ES)	75K	5%	1/4W	
R613	1-249-439-11	CARBON (K711S, K611S)	68K	5%	1/4W	
R614	1-247-872-11	CARBON	51K	5%	1/4W	
R616	1-249-437-11	CARBON (K707ES)	47K	5%	1/4W	
R616	1-247-874-11	CARBON (K711S, K611S)	62K	5%	1/4W	
R617	1-249-440-11	CARBON (K707ES)	82K	5%	1/4W	
R617	1-247-874-11	CARBON (K711S, K611S)	62K	5%	1/4W	
R618	1-247-883-00	CARBON (K707ES)	150K	5%	1/4W	
R618	1-247-886-11	CARBON (K711S, K611S)	200K	5%	1/4W	
R619	1-249-435-11	CARBON	33K	5%	1/4W	
R701	1-247-887-00	CARBON	220K	5%	1/4W	
R702	1-247-887-00	CARBON	220K	5%	1/4W	
R703	1-249-436-11	CARBON	39K	5%	1/4W	
R704	1-247-887-00	CARBON	220K	5%	1/4W	
R705	1-249-436-11	CARBON	39K	5%	1/4W	
R706	1-247-887-00	CARBON	220K	5%	1/4W	
R707	1-249-431-11	CARBON	15K	5%	1/4W	
R708	1-247-868-11	CARBON	36K	5%	1/4W	
R709	1-249-435-11	CARBON	33K	5%	1/4W	
R710	1-249-435-11	CARBON	33K	5%	1/4W	
R711	1-247-872-11	CARBON	51K	5%	1/4W	
R712-717	1-249-435-11	CARBON	33K	5%	1/4W	
R719	1-249-429-11	CARBON	10K	5%	1/4W	
⚠R720	1-212-954-11	FUSIBLE	6.8	5%	1/2W	F
R721	1-249-429-11	CARBON	10K	5%	1/4W	
R722	1-249-431-11	CARBON	15K	5%	1/4W	
R723	1-247-834-11	CARBON	1.3K	5%	1/4W	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN **MD**

Ref. No.	Part No.	Description			Remark
R724	1-249-424-11	CARBON	3.9K	5% 1/4W	F
R725	1-247-834-11	CARBON	1.3K	5% 1/4W	
R726	1-249-427-11	CARBON	6.8K	5% 1/4W	F
R727	1-249-430-11	CARBON	12K	5% 1/4W	
⚠R728	1-212-952-00	FUSIBLE	5.6	5% 1/2W	F
R729	1-249-435-11	CARBON	33K	5% 1/4W	
R730	1-249-435-11	CARBON	33K	5% 1/4W	
R731	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R732	1-249-417-11	CARBON	1K	5% 1/4W	F
R733	1-247-903-00	CARBON	1M	5% 1/4W	
R735	1-249-421-11	CARBON	2.2K	5% 1/4W	F
⚠R736	1-212-942-00	FUSIBLE	2.2	5% 1/2W	F
R737-739					
	1-249-429-11	CARBON	10K	5% 1/4W	
R740	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R742-744					
	1-249-441-11	CARBON	100K	5% 1/4W	
R745	1-249-432-11	CARBON	18K	5% 1/4W	
R746-748					
	1-249-429-11	CARBON	10K	5% 1/4W	
R752-754					
	1-249-441-11	CARBON	100K	5% 1/4W	
R799	1-249-405-11	CARBON	100	5% 1/4W	F
R802	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R803	1-249-420-11	CARBON	1.8K	5% 1/4W	F
R804	1-249-412-11	CARBON	390	5% 1/4W	F
R805	1-249-427-11	CARBON	6.8K	5% 1/4W	F
R806	1-249-419-11	CARBON	1.5K	5% 1/4W	F
R807	1-249-429-11	CARBON	10K	5% 1/4W	
R808	1-249-419-11	CARBON	1.5K	5% 1/4W	F
R809	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R810	1-249-409-11	CARBON	220	5% 1/4W	F
R811	1-249-417-11	CARBON	1K	5% 1/4W	F
R812	1-249-427-11	CARBON	6.8K	5% 1/4W	F
R813	1-249-427-11	CARBON	6.8K	5% 1/4W	F
R814	1-249-417-11	CARBON	1K	5% 1/4W	F
R815-817					
	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R818	1-249-433-11	CARBON	22K	5% 1/4W	
R819	1-249-436-11	CARBON	39K	5% 1/4W	
R820	1-249-429-11	CARBON	10K	5% 1/4W	
R821	1-249-437-11	CARBON	47K	5% 1/4W	
⚠R825	1-219-135-11	FUSIBLE	0.15	10% 1/4W	F
⚠R826	1-219-137-11	FUSIBLE	0.33	10% 1/4W	F
		< VARIABLE RESISTOR >			
RV121	1-241-629-11	RES, ADJ, CARBON 4.7K			
RV141	1-241-631-11	RES, ADJ, CARBON 22K			
RV142	1-238-019-11	RES, ADJ, CARBON 47K			
RV181	1-241-631-11	RES, ADJ, CARBON 22K			
RV221	1-241-629-11	RES, ADJ, CARBON 4.7K			
RV241	1-241-631-11	RES, ADJ, CARBON 22K			
RV242	1-238-019-11	RES, ADJ, CARBON 47K			
RV281	1-241-631-11	RES, ADJ, CARBON 22K			
RV501	1-223-328-11	RES, VAR, CARBON 50K/50K (REC LEVEL)			
RV502	1-223-331-11	RES, VAR, CARBON 50K/50K (BALANCE)			
RV504	1-241-629-11	RES, ADJ, CARBON 4.7K (K707ES/K711S)			
RV505	1-223-330-11	RES, VAR, CARBON 20K/20K (PHONE LEVEL)			
RV508	1-238-021-11	RES, ADJ, CARBON 220K (K707ES)			
RV508	1-223-387-21	RES, ADJ, CARBON 330K (K711S, K611S)			
		< TRANSFORMER >			
T181	1-433-344-11	TRANSFORMER, BIAS OSCILLATION			
T281	1-433-344-11	TRANSFORMER, BIAS OSCILLATION			
T501	1-433-380-11	TRANSFORMER, BIAS OSCILLATION (K707ES, K711S)			
T501	1-423-621-11	TRANSFORMER, BIAS OSCILLATION (K611S)			
		< TEST PIN >			
* TP581	1-564-506-11	PLUG, CONNECTOR 3P			
		< VIBRATOR >			
X701	1-577-359-21	VIBRATOR, CERAMIC (4.19MHz)			
**********					
*	1-632-740-11	MD BOARD ********			
	3-356-631-01	HOLDER (SENSOR)			
		< CONNECTOR >			
CN1001	1-506-615-11	PIN, CONNECTOR 9P			
CN1002	1-564-501-11	PIN, CONNECTOR 8P			
		< IC >			
IC1001	8-749-920-97	DIODE GP2S22B			
IC1002	8-749-920-97	DIODE GP2S22B			
		< RESISTOR >			
R1001	1-249-408-11	CARBON	180	5% 1/4W	F
R1002	1-249-408-11	CARBON	180	5% 1/4W	F
		< SWITCH >			
S1002	1-570-953-11	SWITCH, PUSH (1 KEY) (DOOR)			
S1003	1-571-958-11	SWITCH, PUSH (1 KEY) (CLOSE)			
S1004	1-572-126-11	SWITCH, PUSH (1 KEY) (OPEN)			
S1005	1-572-125-11	SWITCH, LEAF (FWD)			
S1006	1-572-202-11	SWITCH, LEAF (HALF)			
S1007	1-572-125-11	SWITCH, LEAF (METAL)			

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
S1008	1-572-125-11	SWITCH, LEAF (70)			
		< TERMINAL >			
* TB1001	1-694-018-11	TERMINAL (5P)			
**********					
*	A-2006-964-A	PANEL BOARD, COMPLETE			
		**********			
*	3-386-245-01	HOLDER (FL)			
		< CONNECTOR >			
* CN520	1-568-830-11	SOCKET, CONNECTOR 11P			
* CN901	1-568-841-11	SOCKET, CONNECTOR 25P			
CN902	1-568-802-11	SOCKET, CONNECTOR 19P			
		< DIODE >			
D751	8-719-987-63	DIODE 1N4148M			
D752	8-719-987-63	DIODE 1N4148M			
		< FLUORESCENT INDICATOR >			
FLT751	1-517-163-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC751	8-741-100-48	IC SBX1610-59			
		< RESISTOR >			
R141	1-259-444-11	CARBON	4.7K	5% 1/6W	
R241	1-259-444-11	CARBON	4.7K	5% 1/6W	
R592	1-249-429-11	CARBON	10K	5% 1/4W	
R749	1-247-862-11	CARBON	20K	5% 1/4W	
R750	1-247-866-11	CARBON	30K	5% 1/4W	
R751	1-249-441-11	CARBON	100K	5% 1/4W	
R755-758	1-249-441-11	CARBON	100K	5% 1/4W	
R759	1-247-838-00	CARBON	2K	5% 1/4W	
R760	1-249-422-11	CARBON	2.7K	5% 1/4W F	
R761	1-249-426-11	CARBON	5.6K	5% 1/4W	
R762	1-247-856-00	CARBON	11K	5% 1/4W	
R763	1-247-838-00	CARBON	2K	5% 1/4W	
R764	1-247-866-11	CARBON	30K	5% 1/4W	
R766	1-247-838-00	CARBON	2K	5% 1/4W	
R768	1-247-852-11	CARBON	7.5K	5% 1/4W	
R769	1-247-856-00	CARBON	11K	5% 1/4W	
R770	1-249-441-11	CARBON	100K	5% 1/4W	
R790	1-249-441-11	CARBON	100K	5% 1/4W	

Ref. No.	Part No.	Description			Remark
		< VARIABLE RESISTOR >			
RV503	1-223-329-11	RES, VAR, CARBON 5K/5K (REC LEVEL)			
RV506	1-223-327-11	RES, VAR, CARBON 10K (BIAS)			
		< SWITCH >			
S501	1-692-410-11	SWITCH, ROTARY (DOLBY NR)			
S502	1-571-305-11	SWITCH, PUSH (1 KEY) (MIX FILTER)			
S701	1-692-478-11	SWITCH, SLIDE (TIMER)			
S751	1-554-303-21	SWITCH, TACTILE (⏏ OPEN/CLOSE)			
S752	1-554-303-21	SWITCH, TACTILE (■)			
S753	1-554-303-21	SWITCH, TACTILE (◀◀)			
S754	1-554-303-21	SWITCH, TACTILE (▶▶)			
S755	1-554-303-21	SWITCH, TACTILE (●)			
S756	1-554-303-21	SWITCH, TACTILE (▷)			
S757	1-554-303-21	SWITCH, TACTILE (❚❚)			
S758	1-554-303-21	SWITCH, TACTILE (○)			
S759	1-554-303-21	SWITCH, TACTILE (RESET)			
S760	1-554-303-21	SWITCH, TACTILE (MEMORY)			
S762	1-554-303-21	SWITCH, TACTILE (MONITOR)			
S763	1-554-303-21	SWITCH, TACTILE (CALIBRATION)			
S801	1-692-409-11	SWITCH, PUSH (1 KEY) (POWER)			
**********					
*	1-632-741-11	REEL MOTOR BOARD			
		**********			
		< CAPACITOR >			
C1051	1-124-907-11	ELECT	10uF	20% 50V	
C1052	1-124-907-11	ELECT	10uF	20% 50V	
C1053	1-164-159-11	CERAMIC	0.1uF	50V	
		< CONNECTOR >			
* CN1051	1-564-499-11	PIN, CONNECTOR 6P			
* CN1052	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
* CN1053	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< RESISTOR >			
R1051	1-249-414-11	CARBON	560	5% 1/4W F	
**********					

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
16	1-690-893-11	WIRE (FLAT TYPE) (19 CORE)	
17	1-751-258-11	WIRE (FLAT TYPE) (25 CORE)	
18	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	
⚠57	1-551-188-XX	CORD, POWER (E)	
⚠57	1-558-945-21	CORD, POWER (POLAR. SPT-1) (US, Canadian)	
⚠61	1-696-845-11	CORD, POWER (AUS)	
⚠62	1-696-586-11	CORD, POWER (UK)	
⚠64	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
⚠65	1-575-651-21	CORD, POWER (AEP, G)	
* 225	1-608-268-00	ERASE HEAD BOARD (K707ES, K711S)	
D1051	8-719-980-85	DIODE SLF325C	
HE1001	1-543-673-11	HEAD, MAGNETIC (ERASE) (K611S)	
HE1001	1-543-836-11	HEAD, MAGNETIC (ERASE) (K707ES, K711S)	
HRP10011	1-543-733-11	HEAD, MAGNETIC (RECORD/PLAYBACK) (K611S)	
HRP10011	1-543-834-11	HEAD, MAGNETIC (REC/PB) (K711S)	
HRP10011	1-543-835-11	HEAD, MAGNETIC (REC PB) (K707ES)	
M1051	X-3356-638-1	MOTOR (REEL R) ASSY	
M1052	X-3356-604-1	MOTOR (ASSIST) ASSY	
M1053	X-3356-635-1	MOTOR (CAPSTAN R2) ASSY (K707ES, K711S)	
M1053	X-3356-646-1	MOTOR (CAPSTAN V1) ASSY (K611S)	
⚠PT901	1-423-475-11	TRANSFORMER, POWER (US, Canadian)	
⚠PT901	1-423-476-11	TRANSFORMER, POWER (AEP, UK, G, AUS)	
⚠PT901	1-423-533-11	TRANSFORMER, POWER (E)	
S1001	1-466-238-11	ENCODER, ROTARY	
⚠VS1	1-692-155-11	SELECTOR, POWER VOLTAGE (VOLTAGE) (E)	

****

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-558-271-11	CORD, CONNECTION	
	1-696-170-11	CORD, CONNECTION	
*	3-350-830-01	CUSHION	
*	3-388-323-11	INDIVIDUAL CARTON (K707ES)	
*	3-388-323-21	INDIVIDUAL CARTON (K711S)	
*	3-388-323-31	INDIVIDUAL CARTON (K611S)	
	3-756-292-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (K707ES:Canadian, E)	
	3-756-292-21	MANUAL, INSTRUCTION (ENGLISH) (K707ES:US, AUS)	
	3-756-293-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (K711S:AEP/K611S:Canadian, AEP)	
	3-756-293-21	MANUAL, INSTRUCTION (ENGLISH) (K611S:US, UK, AUS)	
	3-756-293-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (K711S:AEP/K611S:AEP)	
	3-756-293-51	MANUAL, INSTRUCTION (GERMAN) (K711S:G/K611S:G)	
	3-756-293-61	MANUAL, INSTRUCTION (DANISH, FINNISH) (K611S:AEP)	

****

****
HARDWARE LIST
****

#1	7-621-255-20	SCREW +BVTT 2X4 (S)
#2	7-621-255-35	SCREW +BVTT 2X5 (S)
#3	7-621-772-18	SCREW +B 2X4 (K707ES, K711S)
#4	7-621-772-20	SCREW +B 2X5 (K611S)
#5	7-621-772-70	SCREW +B 2X14 (K707ES, K711S)
#6	7-621-773-86	SCREW +B 2.6X4 (K707ES)
#6	7-621-775-10	SCREW +B 2.6X4 (K711S)
#7	7-685-871-01	SCREW +BVTT 3X6 (S)
#8	7-621-849-00	SCREW (BV/RING)
#9	7-622-205-05	NUT M2 TYPE2 (K707ES, K711S)
#10	7-628-253-00	SCREW +PS 2X4 (K707ES, K711S)
#11	7-671-154-01	STENLESS BALL (K707ES, K711S)
#12	7-682-547-09	SCREW +BVTT 3X6 (S) (K707ES:US, Canadian, E, K711S, K611S)
#13	7-682-548-09	SCREW +BVTT 3X8 (S)
#14	7-682-647-01	SCREW +PS 3X6 (K707ES, K711S)
#15	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S
#16	7-685-532-19	SCREW +BTP 2.6X5 TYPE2 N-S (K611S)
#17	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S
#18	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S (K707ES:E)
#19	7-685-870-01	SCREW +BVTT 3X5 (S) (K707ES, K711S)

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-957-801-11

Sony Corporation
Audio Group

English
93C0497-1
Printed in Japan
© 1993. 3

Published by Audio Corporate Planning Group

MC-Service